



## AUTOMOTIVE PRODUCT CATALOGUE

Change  oil to  **Platinum**  
ORLEN OIL

## table of contents

[www.orlenoil.com](http://www.orlenoil.com)

### ENGINE OILS

#### Engine oils for passenger cars and light commercial vehicles:

PLATINUM MaxPower 0W-30	08
PLATINUM MaxPower 0W-40	08
PLATINUM MaxExpert V 5W-30	09
PLATINUM MaxExpert F 5W-30	09
PLATINUM MaxExpert XD 5W-30	10
PLATINUM MaxExpert XF 5W-30	10
PLATINUM MaxExpert XJ 5W-30	11
PLATINUM MaxExpert FT 5W-30	11
PLATINUM MaxExpert C4 5W-30	12
PLATINUM MaxExpert C3 5W-40	12
PLATINUM MaxExpert A3/B4 10W-40	13
PLATINUM CLASSIC SYNTHETIC 5W-40	13
PLATINUM CLASSIC SEMISYNTHETIC 10W-40	14
PLATINUM CLASSIC MINERAL 15W-40	14
PLATINUM CLASSIC DIESEL SYNTHETIC 5W-40	15
PLATINUM CLASSIC DIESEL SEMISYNTHETIC 10W-40	15
PLATINUM CLASSIC DIESEL MINERAL 15W-40	16
PLATINUM CLASSIC LIFE+ 20W-50	16
ORLEN OIL UNIWERSALNY 15W-40	17
ORLEN OIL LUBRO 20W-50	17
SELEKTOL SPECIAL SD 20W-40	18
LUX 10	18

#### LPG engine oils:

PLATINUM CLASSIC GAS SYNTHETIC 5W-40	19
PLATINUM CLASSIC GAS SEMISYNTHETIC 10W-40	19
PLATINUM CLASSIC GAS MINERAL 15W-40	20

#### Engine oils for trucks, buses and heavy equipment:

PLATINUM ULTOR PERFECT 5W-30	21
PLATINUM ULTOR MAX 5W-30	21
PLATINUM ULTOR MAX 5W-40	22
PLATINUM ULTOR PROGRESS 10W-40	22
PLATINUM ULTOR OPTIMO 10W-30	23
PLATINUM ULTOR EXTREME 10W-40	23
PLATINUM ULTOR MASTER 10W-40	24
PLATINUM ULTOR FUTURO 15W-40	24
PLATINUM ULTOR PLUS 15W-40	25
PLATINUM ULTOR CH-4 15W-40	25
PLATINUM ULTOR CG-4 15W-40	26
PLATINUM ULTOR DIESEL 15W-40, 15W-50, 20W-50	26
ORLEN OIL DIESEL (2) HPDO CG-4 15W-40	27
ORLEN OIL SUPEROL F 15W-40	28
ORLEN OIL SUPEROL CD 10W	28

ORLEN OIL SUPEROL M 15W-40	29
ORLEN OIL SUPEROL CC 30	29
ORLEN OIL SUPEROL CC 40	30
ORLEN OIL SUPEROL CB 30	30
ORLEN OIL SUPEROL CB 40	31
ORLEN OIL SUPEROL CB 50	31
ORLEN OIL SUPEROL A 15W-40	32

#### Engine oils for four-stroke motorcycles:

PLATINUM MOTO 4T SYNTHETIC 10W-50	33
PLATINUM MOTO 4T SEMISYNTHETIC 10W-40	33

#### Engine oils for two-stroke motorcycles and other equipment:

PLATINUM MOTO 2T	34
ORLEN OIL 2T SEMISYNTHETIC	34
MIXOL S	35

#### Outboard engine oils:

PLATINUM BOAT	36
---------------	----

### GEAR OILS

#### Manual transmission and rear axle oils:

PLATINUM GEAR SX 75W-90	37
PLATINUM GEAR SV 75W-80	37
PLATINUM GEAR GL-5 80W-90	38
PLATINUM GEAR GL-4 80W-90	38
PLATINUM GEAR GL-4 80W	39
PLATINUM GEAR GL-5 85W-90	39
PLATINUM GEAR LS 80W-90	40
PLATINUM GEAR LL 80W-90	40
PLATINUM GEAR LX 85W-140	41
HIPOL® SEMISYNTHETIC GL-5 75W-90	41
HIPOL® GL-5 85W-140	42
HIPOL® GL-5 80W-90	42
HIPOL® 15F	43
HIPOL® GL-4 80W-90	43
HIPOL 6	44
HIPOL® MF 80W-90	44

#### Automatic vehicle transmission and power steering oils:

PLATINUM ATF III	45
HIPOL® ATF II D	45
HIPOL® ATF II E	46

## table of contents

[www.orlenoil.com](http://www.orlenoil.com)

### AGRICULTURE, GARDENING AND FORESTRY OILS

#### AGRO engine oils:

PLATINUM AGRO SUPREME 10W-40	47
PLATINUM AGRO NOVO 15W-40	47
PLATINUM AGRO NEXT 15W-40	48
PLATINUM AGRO BASIC 15W-40	48

#### AGRO Universal oils:

PLATINUM AGRO STOU 10W-40	49
PLATINUM AGRO UTTO 10W-30	49
ORLEN OIL AGRO STOU 10W-40	50
ORLEN OIL AGRO STOU 10W-30	50
ORLEN OIL AGRO UTTO 10W-30	51

#### AGRO hydraulic system oils:

PLATINUM AGRO HV 46	51
AGRO HL 46, 68	52

#### AGRO transmission oils:

PLATINUM AGRO LS 80W-90	53
AGRO 6 GL-4 80W	53
AGRO GL-4 80W-90	54

#### Gardening and forestry oils:

ORLEN OIL TRAWOL 30	54
ORLEN OIL TRAWOL 10W-30	55
ORLEN OIL TRAWOL 2T	55
PILAROL-EKO	56
PILAROL (Z)	56

### UNIVERSAL AND VEHICLE HYDRAULIC SYSTEM OILS:

#### Universal oils:

PLATINUM MULTI STOU 10W-40	57
PLATINUM MULTI UTTO 10W-30	57
PLATINUM MULTI PTF 10W	58
PLATINUM MULTI PTF 30	58

#### Vehicle hydraulic system oils:

BOXOL® 26	59
AMORTYZOL® 15-WL 150	59

### GREASES

GREASEN ŁT 4S2	60
GREASEN ŁT 4S3	60
GREASEN EP-23	61
GREASEN N-EP 00/000	61
GREASEN S-EP 00/000	61
GREASEN STP	61
GREASEN GRAFIT	62
LITEN ŁT-4P	62
SMAROL UNIWERSALNY EKO	63
SMAROL PTFE	63
SMAROL NANO for lawnmowers and trimmers	64

### SERVICE FLUIDS AND CAR MAINTENANCE CHEMICALS

#### Service fluids:

PLATINUM IMPACT - Coolant	65
CAR COOLANT PETRYGO Q	65
BRAKE FLUID DOT-3	65
BRAKE FLUID DOT-4	65
BRAKE FLUID DOT-5.1	65
BRAKE FLUID R3	66
HYDRAULIC SYSTEM FLUID DA-1	66
UNIKAT +	66

#### Car maintenance chemicals:

PLATINUM IMPACT - all-purpose cleaning agent	67
PLATINUM IMPACT - cockpit spray	67
PLATINUM IMPACT - window de-icer	67
PLATINUM IMPACT - lock de-icer	67
PLATINUM IMPACT - PENETROL 2000	67
PLATINUM IMPACT - window cleaning agent	67
PLATINUM IMPACT - upholstery foam	67
PLATINUM IMPACT - silicone sealant	68
PLATINUM IMPACT - shampoo with wax	68
PLATINUM IMPACT - wax milk	68
PLATINUM IMPACT - insect removal fluid	68
PLATINUM IMPACT - tyre shining agent	68
PLATINUM IMPACT - rim cleaning agent	68



## ORLEN OIL

was formed in 1998 as a joint undertaking of Poland's largest lubricant manufacturers: Petrochemia Płock, Rafineria Trzebinia, Rafineria Czechowice and Rafineria Jedlicze. ORLEN OIL is currently a member of the Polski Koncern Naftowy (Polish Oil Concern) ORLEN SA Capital Group, one of the largest oil industry corporations in Central and Eastern Europe.

ORLEN OIL is a leading manufacturer and distributor of lubricants for the automotive sector, agriculture and industry. ORLEN OIL's broad product offering meets the needs of all users, both household and corporate.

Research and development spending and effective commercial and marketing actions have contributed to the success of PLATINUM - a brand of high-quality engine oils. ORLEN OIL is also a Polish market leader for industrial lubricants. The Company focuses on comprehensive lubricant support and consultancy services. The company stays ahead of technological trends so that it can swiftly adapt its products to ever more stringent quality requirements.

The products on offer from ORLEN OIL comply with strict international standards. All production processes are governed by the Quality Management System, in accordance with ISO 9001:2000. ORLEN OIL also holds a certificate for its compliance with AQAP 2110:2006.

## ORLEN OIL'S OFFER INCLUDES:

- » high-quality automotive oils - PLATINUM, which meet stringent European and American quality standards,
- » a broad range of automotive oils ORLEN OIL,
- » oils for agriculture, forestry and gardening - AGRO,
- » industrial oils (hydraulic, compressor, gear, hardening),
- » process oils (emulsifiers, anti-adhesives, processing oil),
- » plastic greases,
- » service fluids,
- » PLATINUM IMPACT car maintenance chemicals,
- » solvents.

## INNOVATION AND EXPERIENCE

ORLEN OIL operates production facilities in Płock, Trzebinia and Jedlicze. Each of these specialises in the manufacturing of various products or semi-products used at subsequent stages of the end product's development.

The production site in Płock manufactures base oils - the primary ingredient used in the production of lubricating oils. This particular component, its properties and process parameters, largely determine the quality of the final product. ORLEN OIL controls all production stages and, using its own primary raw material for oil production, enhances the competitiveness of the Company's products on the demanding European Community market.

The presence of engine and specialty oils in cars, machines, or even on shop shelves is taken for granted. Their production, however, requires advanced technologies, modern equipment and top-class components. The production site in Trzebinia has it all as the manufacturer of state-of-the-art PLATINUM oils. The high parameters of the Trzebinia oils are ensured by the site's fully computerised quality control system and superior production line.

The production site in Jedlicze primarily manufactures gear oils, hydraulic and machinery oils, as well as greases for the automotive sector and industry. A broad range of specialty products for various industrial sectors are also produced in Jedlicze. The modern production line and experienced staff ensure supreme product quality.





## ROBUST AND EFFICIENT DISTRIBUTION CHANNELS

One of the key objectives of a leader in lubricant production is to develop robust and efficient distribution channels in order to enable widespread availability of its products on the market. In pursuit of this strategy, ORLEN OIL's distribution network covers the entire country and performs a vital role in executing commercial and marketing policy.

The company focuses in particular on cooperating with car repair services and service garages across the country.

The company's customers have the opportunity to be a part of a comprehensive technical and marketing support programme.



## INTERNATIONAL SALES

ORLEN OIL is rapidly expanding its sales network on the European markets for base oils and ready-to-use lubricants. Particularly strong sales growth has been recorded in the industrial lubricants sector.

The main international sales markets where ORLEN OIL has an established presence include EU countries such as: Czech Republic, Slovakia, Hungary, Lithuania, Estonia, Latvia, Austria, Germany, the Netherlands, Ireland, Sweden, Finland, Slovenia, Bulgaria, Romania, Croatia and other countries: Norway, Belarus, Ukraine, Serbia, Montenegro, Albania, Macedonia, Bosnia and Herzegovina, Kazakhstan and Azerbaijan.



## RESEARCH

The implementation of new technologies, both in the automotive sector and wider industry, requires lubricant manufacturers to develop products which meet top quality requirements.

Ever-more stringent regulations in the automotive sector that govern car exhaust emissions necessitate the introduction of process changes every year.

The introduction of the EURO 5 environmental standard for passenger cars and light commercial vehicles and the Euro VI standard for trucks has also led to stricter limits in terms of the ACEA QUALITY CLASSIFICATION.

THE API (American Petroleum Institute) also follows modern trends, such as: fuel economy, downsizing, extended drain intervals or increasing biocomponent content in fuels. In October 2010, the API published a new standard - API SN.

Major car manufacturers are also introducing new specifications in order to comply with the new ACEA and API classifications. The industry sees a consistent growth in demand for synthetic, biodegradable oils and greases, approved by leading machinery and equipment manufacturers (Flender, Siemens, Parker Denison, Alstom, Bosch Rexroth, MAG Cincinnati). This primarily applies to such industrial sectors as power engineering, transport, the steel industry and mining.

In accordance with its adopted strategy, ORLEN OIL consults on the progress of work performed by leading global additive manufacturers in terms of new engine oil technologies aimed at meeting the requirements of the new European specifications (ACEA), as well as on the work performed by major car manufacturers in Europe, such as Daimler (Mercedes-Benz), MAN, Volkswagen, Renault.

ORLEN OIL's cooperation with global additive manufacturers also includes fundamental and applied research on new industrial oil and grease technologies. In developing new product technologies, ORLEN OIL also cooperates with leading Polish research institutions, including the Gas and Oil Institute of Kraków, the Fuels and Renewable Energy Institute of Warsaw, ICSO (Institute of Heavy Organic Synthesis), as well as various universities. Research and implementation work is carried out primarily with a view to meeting the requirements of customers, equipment manufacturers, market needs, as well as complying with the effective regulations.

The company rapidly responds to evolving requirements by launching new products or focusing on the development of its products already on offer.

## ECOLOGY

ORLEN OIL consistently improves its production processes, adapting them to environmental protection requirements. This is related to the Company's strategy, which entails the development of a system that ensures the mitigation of adverse environmental impacts in all areas of the Company's operations, as well as with evolving environmental protection laws and other regulations.

ORLEN OIL's environmental protection activities include:

- » ongoing monitoring of the impact of production processes on the environment,
- » compliance with statutory obligations, such as used oil and packaging waste management,
- » reduction in the consumption of utilities while increasing production output,
- » introduction of products which meet the most stringent environmental protection requirements (biodegradable oils and greases, state-of-the-art PLATINUM OILS, biofuel-compatible engine oils).

ORLEN OIL ensures its compliance with even the strictest environmental standards by promoting environmentally friendly technologies and R&D work, and the ISO 14001-compliant Environmental Management System, currently at the implementation stage, will standardise the Company's activities for environmental protection.

The involvement of ORLEN OIL in environmental protection activities was recognised by the jury panel in the Ministry Of Environment's prestigious Polish Environmental Protection Leader competition.



## QUALITY

Maintaining the highest quality of the Company's products and services is the most important element of ORLEN OIL's mission statement. The Company's objective is to fully meet customer needs by producing and distributing products and services which meet customer requirements in terms of quality, environmental protection, and occupational health and safety. To that end, the Company has implemented an integrated Quality, Environmental Protection and OHS Management System, as evidenced by the following certificates awarded to the Company:

- » compliance with ISO 9001:2008, ISO 14001:2004 and PN-N-18001:2004, No. PL002751/P, awarded by Bureau Veritas Certification Polska Sp. z o.o.
- » compliance with the requirements of AQAP 2110:2009, No. 21/A/2011, and ISO 9001:2008 o nr 21/S/2011, awarded by Zakład Systemów Jakości i Zarządzania (Quality and Management Systems Institution) for:
  - manufacture and sale of chemicals, lubricants and oil bases,
  - commercial operations regarding chemical, refinery and petrochemical products on the domestic and international markets,
  - lubricant and chemicals research and development work,
  - technical consultancy.

The high quality of ORLEN OIL's products is further evidenced by approvals from recognised car manufacturers (e.g.: Mercedes-Benz, MAN, Renault, BMW, Volkswagen, Volvo) and industrial machinery manufacturers (Flender, Denison Hydraulics, Siemens, Cincinnati Machine). The implemented integrated management system helped to streamline processes and continuously improve them. This also contributed to improved organisation in terms of management, as well as in terms of legal requirements, which enables the Company to be flexible and react quickly to market and customer needs.

## "POLAND NOW" EMBLEM FOR PLATINUM OILS

For the first time in its history, ORLEN OIL was awarded the prestigious promotional emblem POLAND NOW (TERAZ POLSKA) for its PLATINUM oils brand!

POLAND NOW is currently the best-recognised and most prestigious promotional mark in Poland, indicating supreme product and service quality. Importantly, the awarding panel recognised PLATINUM oils as a Polish alternative for oils manufactured by western groups.



## POWER SERVICE

ORLEN OIL was among the first players in the Polish oil industry to launch a comprehensive offer of maintenance services for industrial companies using lubricants in production processes. A professional oil service - POWER SERVICE - provides a broad range of services directly at user sites. Outsourcing lubricants management to professionals is a decision which offers numerous benefits to our customers, such as reduced lubricant maintenance costs or the elimination of logistics and warehousing problems, to name but a few.

The key benefit is, however, the improved reliability of machinery and equipment, which directly translates into a reduction in the cost of unscheduled downtimes and failures. POWER SERVICE also provides benefits as a result of the optimisation of lubricant consumption.

POWER SERVICE's offer is categorised into three primary areas::

- » industrial oil systems,
- » application of process oils and support of cooling and lubricating systems for metal processing,
- » oil monitoring.



**POWER SERVICE**  
Specjalistyczny Serwis Olejowy





engine oil

## PLATINUM MaxPower 0W-30

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
9,6	-39	167
base number TBN, mg KOH/g	flash point, °C	
-	214	



engine oil

## PLATINUM MaxPower 0W-40

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
14,0	-39	180
base number TBN, mg KOH/g	flash point, °C	
10,4	220	

## ENGINE OILS FOR PASSENGER CARS AND LIGHT COMMERCIAL VEHICLES

### VISCOSITY GRADE:

SAE: 0W-30

### QUALITY CLASS:

ACEA A5/B5

### MEETS REQUIREMENTS:

VW 503 00, VW 506 00, VW 506 01

### GENERAL FEATURES:

PLATINUM MAXPOWER engine oil was designed not only to protect the engine, but also boost its performance. The presence of advanced-technology additives, together with a synthetic oil base, helps to fully harness the power and torque of the engine. Stable oil parameters ensure a high level of engine component protection throughout its operation between oil drains. State-of-the-art anti-wear conditioners help to protect the motor during cold starts. It provides maximum engine protection, extended operation time, and keeps the engine clean.

### APPLICATION:

PLATINUM MAXPOWER 0W-30 is designed for both petrol and Diesel engines. The oil meets ACEA requirements, which guarantees a high level of protection even during heavy duty and in harsh operating conditions. PLATINUM MaxPower is recommended for cars requiring the VW 503 00 / 506 00/ 506 01 approvals.

### VISCOSITY GRADE:

SAE: 0W-40

### QUALITY CLASS:

API: SM/CF

ACEA: A3/B4

### MEETS REQUIREMENTS:

Mercedes-Benz 229.3; VW 502 00 / 505 00; Porsche A40; BMW Longlife-98; Opel GM LL-B-025

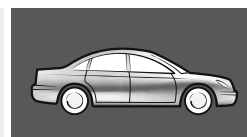
### GENERAL FEATURES:

PLATINUM MAXPOWER is a top-quality multigrade oil designed for total engine protection. Its precise formulation is composed from the latest conditioner system technology allowing for maximum use of the engine's power and comprehensive engine protection. The quality of PLATINUM MAXPOWER meets the requirements of the most prestigious car brands. Effective deposition control keeps the engine clean, thus extending its service life. PLATINUM MAXPOWER was developed from Longlife technology in order to extend drain intervals. It ensures excellent lubrication at low temperatures, individual protection of the most sensitive engine parts and effective operation throughout the drain interval.

### APPLICATION:

PLATINUM MAXPOWER 0W-40 oil can be used for both petrol and Diesel engines. It maintains its parameters even during very heavy duty and in harsh operating conditions. PLATINUM MAXPOWER 0W-40 is recommended for, among others, vehicles that require the BMW Longlife - 98 approval.

# ENGINE OILS FOR PASSENGER CARS AND LIGHT COMMERCIAL VEHICLES



engine oil

## PLATINUM MaxExpert V 5W-30

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
12,2	-42	159
sulphated ash, % m/m	base number TBN, mg KOH/g	Noack volatility, % m/m
0,6	8,0	9,9



engine oil

## PLATINUM MaxExpert F 5W-30

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
9,8	-30	163
sulphated ash, % m/m	base number TBN, mg KOH/g	Noack volatility, % m/m
0,9	9,5	8,2

### VISCOSITY GRADE:

SAE: 5W-30

### QUALITY CLASS:

ACEA: C3

### APPROVALS:

VW Standard 504 00 / 507 00

### MEETS REQUIREMENTS:

Mercedes-Benz 229.51, BMW Longlife - 04, Porsche C30, Audi, Skoda, Seat (engines for which the manufacturer recommends "mid SAPS" oil, conforming to VW 504 00 / 507 00)

### GENERAL FEATURES:

Long Life, new generation synthetic engine oil designed on the basis of the Complex Protection Formula. CPF ensures optimum engine protection in all service conditions. Unique mid SAPS (reduced sulphated ash, sulphur and phosphorus content) formulation ensures excellent oil parameters, reduces valve wear risk, whilst at the same time ensuring better build-up control, contributing to reduced PM deposition on DPF filters and reduced likelihood of catalyst poisoning in spark ignition engines. PLATINUM MaxExpert V 5W-30 is an energy-saving oil that ensures reduced fuel and oil consumption, extended drain intervals and improved environmental protection. PLATINUM MaxExpert V 5W-30 is the guarantee of long drain intervals, long engine and filter service life - owing to mid SAPS technology, environmental protection, reduced fuel and oil consumption, quick start-up at low temperatures, engine cleanliness - by keeping soot in the suspension, and superb thermal and oxidation stability.

### APPLICATION:

PLATINUM MAXEXPERT V 5W-30 is designed for all-season service, primarily in passenger cars and LCVs, for modern petrol engines fitted with catalytic converters and for Diesel engines with or without a turbocharger and with or without DPF or TWC filters. It was developed to meet the latest Volkswagen requirements, namely: VW 504 00 / 507 00, but it can also be used for engines working to older VW specifications. Apart from Volkswagen cars: Audi, Seat, Skoda, it also performs superbly in passenger and off-road cars from other manufacturers. Recommended for Euro 5 compliant vehicles.

### VISCOSITY GRADE:

SAE: 5W-30

### QUALITY CLASS:

ACEA: A5/B5

### APPROVALS:

Ford WSS-M2C913-D

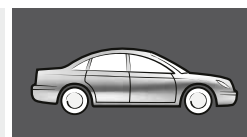
### GENERAL FEATURES:

A synthetic, modern, multigrade engine oil dedicated to FORD vehicles. An excellent balance of base oils with a package of carefully selected unique-formula conditioners was obtained using new-generation Complex Protection Formula technology. CPF is synonymous with perfect engine protection both in summer and in winter. It also reduces excessive valve wear risk while ensuring better build-up control. PLATINUM MAXEXPERT F ensures: minimised engine wear by reducing frictional resistance, total engine protection against corrosion and rusting, efficient engine heat discharge, fuel economy, quick start-up at low temperatures, excellent protection against sludge and deposit build-up, extended service life.

### APPLICATION:

PLATINUM MAXEXPERT F 5W-30 is an oil designed for users of FORD cars. It meets one of the latest Ford specifications - WSS-M2C913-C. It is also suitable for other modern passenger cars and LCVs with self-ignition or Diesel engines with or without turbochargers. Recommended for use in all driving conditions, both in summer and in winter, while ensuring extended service life. Recommended for Euro 5 compliant vehicles.

# ENGINE OILS FOR PASSENGER CARS AND LIGHT COMMERCIAL VEHICLES



engine oil

## PLATINUM MaxExpert XD 5W-30

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
12,2	-30	165
sulphated ash, % m/m	base number TBN, mg KOH/g	Noack volatility, % m/m
0,71	7,4	5,3

### VISCOSITY GRADE:

SAE: 5W-30

### QUALITY CLASS:

API: SM/CF; ACEA: C3

### APPROVALS:

MB - Approval 229.51

### MEETS REQUIREMENTS:

General Motors GM Dexos 2 / Opel; BMW Longlife - 04; VW 502 00 / 505 00

### GENERAL FEATURES:

Top quality, synthetic, multigrade, low-viscosity, mid SAPS engine oil. The unique Complex Protection Formula technology offers an ideal combination of state-of-the-art components which, coupled with high quality base oils, ensures perfect engine service as well as a reduced risk of deposit and valve wear. PLATINUM MAXEXPERT XD 5W-30 is compatible with exhaust after-treatment devices, such as DPF and TWC. PLATINUM MAXEXPERT XD ensures: excellent cleaning properties, superb engine performance, perfect operation of exhaust after-treatment devices, reduced fuel consumption, effective lubrication for engine start-up in winter, extended service life.

### APPLICATION:

PLATINUM MAXEXPERT XD 5W-30 is dedicated to engines installed in General Motors cars. Recommended for passenger cars and LCVs with Diesel engines or petrol engines with self-ignition, with or without a turbocharger and fitted with exhaust treatment systems such as DPF or TWC. Excellent viscosity and temperature parameters ensure reliable engine operation both in summer and in winter, in urban areas and on highways. Corresponds to GF-4 quality level under ILSAC STANDARD. Recommended for Euro 5 compliant vehicles.



engine oil

## PLATINUM MaxExpert XF 5W-30

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
10,3	-30	160
sulphated ash, % m/m	base number TBN, mg KOH/g	Noack volatility, % m/m
0,73	8,1	6,0

### VISCOSITY GRADE:

SAE: 5W-30

### QUALITY CLASS:

API: SM/CF; ACEA: C2

### APPROVALS:

Renault RN 0700

### MEETS REQUIREMENTS:

PSA B712290, B712288/ Citroen, Peugeot

### GENERAL FEATURES:

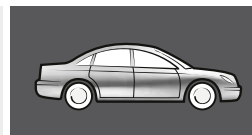
High-quality synthetic engine oil for both summer and winter. The oil was developed on the basis of CPF - the Complex Protection Formula and guarantees optimum engine operation in any operating conditions, ensuring excellent oil parameters throughout drain intervals. PLATINUM MAXEXPERT XF 5W-30 is compatible with exhaust after-treatment devices, such as DPF and TWC. PLATINUM MAXEXPERT F offers: ideal lubrication throughout service life, compatibility with DPF filters and TWC catalysts, excellent thermal and thermo-oxidation stability, optimised energy consumption and emissions, ensuring enhanced environmental protection, safe engine operation immediately from start-up, also including during winter and superb engine protection against friction and wear.

### APPLICATION:

PLATINUM MAXEXPERT F 5W-30 is an oil designed for users of PSA cars - Citroen, Peugeot and Renault. It is designed for passenger cars and light commercial vehicles with Diesel or petrol engines, with or without turbochargers. This oil is suitable for cars provided with environmental protection devices, such as DPF and TWC, and it also extends their service life. Owing to its excellent physical and chemical parameters, it is recommended for engines used in Japanese cars, such as: Toyota, Mazda, Subaru, Nissan, Honda, Isuzu and Suzuki, in respect of which the manufacturer recommends the application of oils which meet at least API:SM. It corresponds to ILSAC GF-4 quality standard. Recommended for Euro 5 compliant vehicles.



# ENGINE OILS FOR PASSENGER CARS AND LIGHT COMMERCIAL VEHICLES



engine oil

## PLATINUM MaxExpert XJ 5W-30

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
10,2	-30	160
sulphated ash, % m/m	base number TBN, mg KOH/g	Noack volatility, % m/m
0,74	8,0	6,1

### VISCOSITY GRADE:

SAE: 5W-30

### QUALITY CLASS:

ACEA: C2

JASO DL-1

### GENERAL FEATURES:

A new-generation, synthetic, multigrade engine oil dedicated to Japanese cars. The top parameters of this oil were obtained owing to the application of the unique Complex Protection Formula. CPF is an excellent combination of oil conditioners and supreme quality base oil, which ensures optimum engine protection and build-up reduction and minimises valve wear risk. The oil offers: superb engine cleanliness by keeping soot in the suspension, compatibility with DPF filters and TWC catalysts, optimised energy consumption and emissions for enhanced environmental protection, reduced fuel and oil consumption and effective heat discharge from the engine.

### APPLICATION:

PLATINUM MAXEXPERT XJ 5W-30 is a product designed specifically for Japanese car brands, such as: Subaru, Mazda, Toyota, Suzuki, Nissan and Mitsubishi, for which the manufacturer recommends oil with the viscosity grade and quality class indicated below. Recommended for spark ignition and self-ignition engines with or without turbochargers. It offers excellent performance both in urban areas and on motorways. This oil is compatible with exhaust gas treatment devices such as DPF and TWC. PLATINUM MAXEXPERT XJ 5W-30 offers reliable engine service both in summer and winter. It is recommended for Euro 5 compliant vehicles.



engine oil

## PLATINUM MaxExpert FT 5W-30

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
10,3	-30	160
sulphated ash, % m/m	base number TBN, mg KOH/g	Noack volatility, % m/m
0,73	8,1	6,0

### VISCOSITY GRADE:

SAE: 5W-30

### QUALITY CLASS:

ACEA: C2

API: SM/CF

### MEETS REQUIREMENTS:

FIAT 9.55535-S1

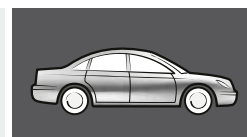
### GENERAL FEATURES:

PLATINUM MAXEXPERT FT 5W-30 is a high-quality engine oil based on Complex Protection Formula technology. The technology protects the engine during cold starts, when it is most susceptible to damage. PLATINUM MAXEXPERT 5W-30 also prevents deposit build-up in turbochargers, markedly extending their service life. Engine tests have confirmed reduced frictional resistance, which results in reduced fuel consumption. This oil offers engine protection against deposit build-up, turbo-charger protection confirmed by engine tests and, owing to reduced SAPS content, compatibility with Euro 5 exhaust after-treatment systems.

### APPLICATION:

The PLATINUM MAXEXPERT FT 5W-30 oil formulation was prepared for car makes such as Fiat, Lancia and Alfa Romeo. It is particularly recommended for engines requiring the FIAT 9.55535-S1 approval. It can be applied in petrol and Diesel engines, both turbocharged and naturally aspirated. Reduced sulphur and sulphated ash content protects exhaust after-treatment systems.

# ENGINE OILS FOR PASSENGER CARS AND LIGHT COMMERCIAL VEHICLES



engine oil

## PLATINUM MaxExpert C4 5W-30

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
12,5	-40	160
sulphated ash, % m/m	base number TBN, mg KOH/g	Noack volatility, % m/m
0,5	8,0	7,7

### VISCOSITY GRADE:

SAE: 5W-30

### QUALITY CLASS:

ACEA: C4

### STANDARDS, APPROVALS, SPECIFICATIONS:

MB-Approval 229.31

### MEETS REQUIREMENTS:

Renault RN0720; Mercedes-Benz 229.51; Mercedes-Benz 226.51

### GENERAL FEATURES:

Top quality, synthetic, multigrade, low SAPS (reduced sulphur, sulphated ash and phosphorus) engine oil. Designed based on the new Complex Protection Formula technology, which ensures deposit reduction and minimises valve wear risk. PLATINUM MAXEXPERT C4 5W-30 is compatible with exhaust after-treatment devices, such as DPF and TWC. The oil provides: extended filter service life, perfect operation of exhaust treatment devices, reduced fuel consumption, extended service life.

### APPLICATION:

PLATINUM MAXEXPERT C4 5W-30 is recommended for petrol and diesel engines in passenger cars and LCVs. It ensures efficient engine lubrication in all conditions, both in urban cycle and on motorways. Low viscosity helps it quickly reach friction pairs, especially in winter, to facilitate easy engine start-up at low temperatures. Recommended for engines with or without turbochargers in vehicles fitted with exhaust gas after-treatment devices, such as DPF and TWC. Suitable for Euro 5 compliant vehicles.



engine oil

## PLATINUM MaxExpert C3 5W-40

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
14,0	-42	150
sulphated ash, % m/m	base number TBN, mg KOH/g	
8,0	230	

### VISCOSITY GRADE:

SAE: 5W-40

### QUALITY CLASS:

API: SN/SM/CF

ACEA: C3

### STANDARDS, APPROVALS, SPECIFICATIONS:

MB-Approval 229.31; VW 502 00/505 00/505 01

### MEETS REQUIREMENTS:

Mercedes-Benz 226.5; Renault RN0700/0710; Porsche A40; Ford WSS-M2C917A; General Motors GM Dexos 2

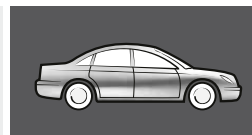
### GENERAL FEATURES:

Synthetic engine oil designed based on the Complex Protection Formula. CPF ensures optimum engine protection in all service conditions. It reduces valve wear risk while ensuring improved deposit control - it contributes to the reduction of particulate matter deposition on DPF filters, and reduces the likelihood of catalyst poisoning in spark ignition engines. The oil provides: effective lubrication of engines with unit injectors, environmental protection, clean engine by keeping soot in the suspension, easy engine start-up in winter conditions.

### APPLICATION:

PLATINUM MAXEXPERT C3 5W-40 is intended for year-round use in modern passenger car and LCV engines, notably Diesel engines in Volkswagen group cars (Volkswagen, Audi, Skoda, Seat) equipped with unit injectors. Suitable for use in petrol engines operating under various service conditions both in summer and in winter. PLATINUM MAXEXPERT C3 5W-40 is compatible with exhaust gas treatment devices such as DPF and TWC. Recommended for Euro 5 compliant vehicles.

# ENGINE OILS FOR PASSENGER CARS AND LIGHT COMMERCIAL VEHICLES



engine oil

## VISCOSITY GRADE:

SAE: 10W-40

## QUALITY CLASS:

API: SN/SM/CF

## MEETS REQUIREMENTS:

VW 502.00/505.00; Mercedes-Benz 229.1; Renault RN0700/0710

## GENERAL FEATURES:

Top quality multigrade engine oil developed with the latest Complex Protection Formula technology. CPF guarantees excellent engine protection both, in summer and winter, moreover it reduces the risk of excessive wear of valves ensuring better control of deposits. Suitable for diesel engines with direct fuel injection. Guarantee complete protection of engine components from corrosion; effective engine heat dissipation; engine cleanliness by keeping black in suspension; excellent protection from sludge and deposit formation.

## APPLICATION:

PLATINUM MAXEXPERT A3/B4 10W40 is designed for all-year use in modern petrol and diesel engines in passenger cars and LDVs. Suitable for diesel engines with direct fuel injection. It is recommended for use in all driving conditions, both in the summer and winter. It can be successfully used in older vehicles, for which the manufacturer recommends oil with viscosity and quality grades specified in the product description.

## PLATINUM MaxExpert A3/B4 10W-40

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
14,1	-32	145
base number TBN, mg KOH/g	Noack volatility, % m/m	
8,2	9,5	



engine oil

## VISCOSITY GRADE:

SAE: 5W-40

## QUALITY CLASS:

API: SL/SJ/CF

ACEA: A3/B3, A3/B4

## MEETS REQUIREMENTS:

Mercedes-Benz 229.1

## GENERAL FEATURES:

Fully synthetic, multigrade engine oil. This oil ensures reduced excessive valve wear, failure-free engine operation at start-up in difficult conditions, protection against sludge deposition and varnish, excellent protection properties at low and high temperatures, as well as high thermal stability and oxidation resistance.

## APPLICATION:

PLATINUM CLASSIC SYNTHETIC 5W-40 was designed for passenger cars with spark ignition and Diesel engines with self-ignition. New technology applied in the design performs superbly not only in passenger cars, but also in LCVs and catalytic converter-fitted cars. Recommended for both newer and older cars. Owing to its excellent viscosity and temperature properties, the oil is suitable for year-round use, offering excellent engine lubrication in urban and extra-urban cycle. The oil's high quality is proved not only by its improved formulation, but also by its conformity with Mercedes-Benz 229.1 requirements.

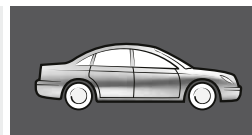
## PLATINUM CLASSIC SYNTHETIC 5W-40

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
14,2	-38	176
base number TBN, mg KOH/g	flash point, °C	
10,1	231	



# ENGINE OILS FOR PASSENGER CARS AND LIGHT COMMERCIAL VEHICLES



engine oil

## VISCOSITY GRADE:

SAE: 10W-40

## QUALITY CLASS:

API: SL/SJ/CF

ACEA: A3/B3, A3/B4

## MEETS REQUIREMENTS:

Mercedes – Benz 229.1

## PLATINUM CLASSIC SEMISYNTHETIC 10W-40

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
14,5	-33	157
base number TBN, mg KOH/g	flash point, °C	
8,5	232	

### GENERAL FEATURES:

Semi-synthetic, multigrade engine oils based on a modern formulation, which consists of, in addition to base oils, a modern, carefully selected package of conditioner additives. The oil offers: effective protection and cleanliness of the engine by keeping soot in the suspension, failure-free engine operation during startups in harsh conditions, required level of engine component anti-wear protection.

### APPLICATION:

PLATINUM CLASSIC SEMISYNTHETIC 10W-40 is designed for year-round use in petrol or Diesel vehicle engines. Its superb formula, which ensures excellent oil parameters, also renders the oil suitable for LCVs and vans. The oil can be used for new-type engines and for cars which are somewhat older and have a higher mileage, for which the manufacturer recommends lower-grade oil. The oil's unique technology ensures superb engine operation in all conditions, in traffic jams, in regular traffic and on longer journeys.



engine oil

## VISCOSITY GRADE:

SAE: 15W-40

## QUALITY CLASS:

API: SL/SJ/CF

ACEA: A3/B3, A3/B4

## MEETS REQUIREMENTS:

Mercedes-Benz 229.1

## PLATINUM CLASSIC MINERAL 15W-40

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
14,0	-27	143
base number TBN, mg KOH/g	flash point, °C	
8,6	237	

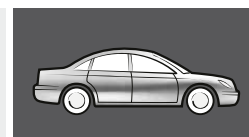
### GENERAL FEATURES:

High-quality, mineral, multigrade engine oil designed for petrol and Diesel engines during everyday use. This oil offers failure-free engine operation in all operating conditions, effective cleanliness of engine components, corrosion protection and effective sealing of the piston - piston rings - cylinder bushing system.

### APPLICATION:

PLATINUM CLASSIC MINERAL 15W-40 is recommended both for petrol and Diesel car engines, as well as for light commercial vehicles and vans. It was designed to meet the needs of any driver, and therefore it performs superbly both in urban cycle and on motorways. It is intended for the lubrication of engines operated in regular conditions both in summer and winter. The oil can be safely used for older engine types, for which the manufacturer recommends lower-grade oil. The oil's high quality is proved not only by its improved formulation, but also by its conformity with the Mercedes-Benz 229.1 requirements.

# ENGINE OILS FOR PASSENGER CARS AND LIGHT COMMERCIAL VEHICLES



engine oil

## PLATINUM CLASSIC DIESEL SYNTHETIC 5W-40

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
14,4	-38	175
base number TBN, mg KOH/g	flash point, °C	
10,5	230	

### VISCOSITY GRADE:

SAE: 5W-40

### QUALITY CLASS:

API: CF

### MEETS REQUIREMENTS:

Mercedes-Benz 229.1

### GENERAL FEATURES:

A synthetic, multigrade engine oil dedicated to self-ignition passenger car and LCV engines. An excellent combination of high-quality base oil with a carefully selected package of conditioners ensures failure-free engine operation while maintaining excellent oil parameters. It ensures effective lubrication within the first few seconds from ignition, easy start-up in winter, a high level of wear and corrosion protection, failure-free engine operation even in harsh conditions, extended service life.

### APPLICATION:

PLATINUM CLASSIC DIESEL SYNTHETIC 5W-40 is dedicated to drivers who enjoy economical driving and drive cars with self-ignition engines. Excellent performance in all driving conditions, both in summer and in winter. Recommended for newer and older engines of passenger cars and LCVs. It offers fantastic performance in almost all operating conditions, including extreme conditions. It is designed for Diesel engines with or without turbochargers.



engine oil

## PLATINUM CLASSIC DIESEL SEMISYNTHETIC 10W-40

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
14,5	-32	156
base number TBN, mg KOH/g	flash point, °C	
8,5	233	

### VISCOSITY GRADE:

SAE: 10W-40

### QUALITY CLASS:

API: CF

### MEETS REQUIREMENTS:

Mercedes-Benz 229.1

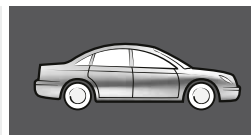
### GENERAL FEATURES:

A semi-synthetic Diesel engine oil. Its perfect combination of base oils and a carefully selected package of conditioners ensures optimum engine protection both in summer and in winter, excellent lubrication and protection immediately from ignition. The oil offers: high performance in a broad range of operating conditions, balanced engine service even under heavy duty, excellent oxidation resistance and thermal stability, long-lasting engine protection against deposit build-up, superb acid neutralisation.

### APPLICATION:

PLATINUM CLASSIC DIESEL SEMISYNTHETIC 10W-40 - is a perfect oil combination which ensures it can be used both for mild and extreme driving conditions. Designed specifically for Diesel engines. The oil performs superbly not only in passenger cars, but also in LCVs, with or without turbochargers. High quality of the oil components guarantees excellent, year-round engine performance in all driving cycles. A perfect substitute for synthetic oils in cars with a few years' mileage.

# ENGINE OILS FOR PASSENGER CARS AND LIGHT COMMERCIAL VEHICLES



engine oil

## VISCOSITY GRADE:

SAE: 15W-40

## QUALITY CLASS:

API: CF

## MEETS REQUIREMENTS:

Mercedes – Benz 229.1

## GENERAL FEATURES:

High-quality, mineral, year-round engine oil dedicated to self-ignition engines. The unrivalled quality of its mineral base stock and excellent anti-oxidation parameters ensure exceptional engine protection and reduced oil consumption. It is very effective in preventing deposit build-up. This oil provides excellent deposit control, very clean engine, very good heat discharge from the system, increased engine power thanks to reduced friction, very good engine integrity.

## APPLICATION:

PLATINUM CLASSIC DIESEL MINERAL 15W-40 is designed for Diesel car engines. It is recommended for both passenger cars and LCVs, with or without turbochargers. The oil performs superbly in any season, not only on motorways, but also in urban cycle. It is an excellent choice for cars with a few years' mileage as a replacement for synthetic and semi-synthetic oils.

## PLATINUM CLASSIC DIESEL MINERAL 15W-40

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
14,1	-27	142
base number TBN, mg KOH/g	flash point, °C	
8,7	235	



engine oil

## QUALITY CLASS:

API: SG/CF-4

## VISCOSITY GRADE:

SAE: 20W-50

## GENERAL FEATURES:

PLATINUM CLASSIC LIFE+ 20W-50 is a multigrade mineral oil designed to protect both petrol and diesel engines with a high mileage. Carefully selected conditioners help maintain deposits in the form of a suspension, which is particularly important in the case of engines with a long service record. The "Reduce Oil Consumption" formula allows oil leaks and oil consumption to be kept to a minimum. It keeps the engine clean, reduces the volume of oil replenishment, and protects the most vulnerable engine components.

## APPLICATION:

PLATINUM CLASSIC LIFE+ 20W-50 is primarily designed for the protection of engines with a mileage of over 150 000 km. Its carefully selected formulation is perfectly suited for structures with a tendency for increased oil consumption.



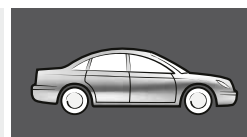
## PLATINUM CLASSIC LIFE+ 20W-50

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
19,04	-21	139
base number TBN, mg KOH/g	flash point, °C	
9,6	-	



# ENGINE OILS FOR PASSENGER CARS AND LIGHT COMMERCIAL VEHICLES



engine oil

## ORLEN OIL UNIWERSALNY 15W-40

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s		pour point, °C	viscosity index
SF/CD	14,8	-32	136
SF/CC	15,1	-32	134

base number TBN, mg KOH/g		flash point, °C
SF/CD	7,0	235
SF/CC	7,5	232

### VISCOSITY GRADE:

SAE: 15W-40

### QUALITY CLASS:

API: SF/CD

API: SF/CC

### GENERAL FEATURES:

Mineral, multigrade engine oil.

### APPLICATION:

ORLEN OIL UNIWERSALNY is designed for older four-stroke petrol engines, for which the manufacturer recommends SF, SE or lower API service category oils. It is also recommended for older passenger car and LCV Diesel engines, for which the manufacturer recommends CD or lower API service category oils.



engine oil

## ORLEN OIL LUBRO 20W-50

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s		pour point, °C	viscosity index
19,9		-25	145

base number TBN, mg KOH/g		flash point, °C
7,0		235

### VISCOSITY GRADE:

SAE: 20W-50

### QUALITY CLASS:

API: SF/CC

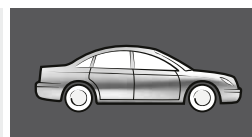
### GENERAL FEATURES:

Mineral, multigrade engine oil.

### APPLICATION:

ORLEN OIL LUBRO is designed for older four-stroke petrol engines, for which the manufacturer recommends SF, SE or lower API service category oils. It is also recommended for older passenger car and LCV Diesel engines, for which the manufacturer recommends CC or lower API service category oils. Owing to its high viscosity, it offers superb performance in sealing slacks in heavily used older-type engines.

# ENGINE OILS FOR PASSENGER CARS AND LIGHT COMMERCIAL VEHICLES



engine oil

## VISCOSITY GRADE:

SAE: 20W-40

## QUALITY CLASS:

API: SD

## GENERAL FEATURES:

Mineral, multigrade engine oil.

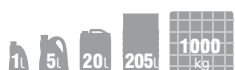
## APPLICATION:

SELEKTOL SPECIAL SD 20W-40 is designed for four-stroke petrol engines, working under moderate and heavy thermal and mechanical duty, for which the manufacturer recommends SD or lower category oil.

## SELEKTOL SPECIAL SD 20W-40

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
15,0	-28	135
base number TBN, mg KOH/g	flash point, °C	
5,0	238	



engine oil

## VISCOSITY GRADE:

SAE: 30

## QUALITY CLASS:

API: SA

## MEETS REQUIREMENTS:

PN-73/C-96085

## GENERAL FEATURES:

Mineral engine oil without conditioners (may contain depressants which reduce pour point).

## APPLICATION:

LUX 10 engine oils are used for equipment which does not require oil with conditioners.

## LUX 10

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
10,9	-10	91
TAN, mg KOH/g	flash point, °C	
0,025	230	



engine oil

## PLATINUM CLASSIC GAS SYNTHETIC 5W-40

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
14,1	-38	175
base number TBN, mg KOH/g	flash point, °C	
10,1	230	



engine oil

## PLATINUM CLASSIC GAS SEMISYNTHETIC 10W-40

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
14,4	-32	158
base number TBN, mg KOH/g	flash point, °C	
8,5	233	

## LPG ENGINE OILS

### VISCOSITY GRADE:

SAE: 5W-40

### QUALITY CLASS:

API: SL

### GENERAL FEATURES:

Synthetic engine oil developed from carefully selected base oils and a package of high-quality conditioners. The excellent combination of low-ash ingredients ensures effective lubrication of all engine components for year-round use in any driving conditions. This oil provides: excellent lubrication of LPG and petrol engines, easy engine start-up in winter, which contributes to low wear of engine components, very clean engine throughout the year, effective protection for engines using two types of fuel, extended service life.

### APPLICATION:

PLATINUM CLASSIC GAS SYNTHETIC 5W-40 is designed specifically for cars fitted with LPG systems. Recommended for year-round use in engines running on petrol and liquefied gas. Suitable for both passenger cars and light commercial vehicles. It is perfectly suitable for both urban areas and motorway driving. Recommended for newer vehicles fitted with sequential and semi-sequential LPG systems.

### VISCOSITY GRADE:

SAE: 10W-40

### QUALITY CLASS:

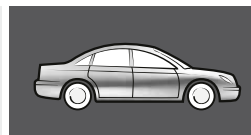
API: SL

### GENERAL FEATURES:

A semi-synthetic, multigrade engine oil, blended with state-of-the-art technology. It contains high-quality base oil and an ideally selected package of conditioners that are compatible with sealants. The excellent ingredient combination guarantees optimum engine protection in all operating conditions. This oil provides: effective lubrication and engine protection during start-up, superb protection against deposits by keeping the pollutants in suspension, lower engine component wear during start-up, excellent cleaning and dispersion properties, a durable lubrication film which is present even in harsh operating conditions.

### APPLICATION:

Owing to its excellent production technology, PLATINUM CLASSIC GAS SEMISYNTHETIC 10W-40 can be used year-round in passenger cars and LCVs fitted with LPG systems. Recommended for both older and newer vehicles for which the manufacturer recommends the SL API service category typical of petrol engines. Recommended for spark ignition four-stroke engines converted to enable liquefied gas combustion.



1L 4,5L  
engine oil

## VISCOSITY GRADE:

SAE: 15W-40

## QUALITY CLASS:

API: SL

## GENERAL FEATURES:

Mineral, multigrade oil designed for cars fitted with LPG systems. The perfect balance of the oil's ingredients ensure safe engine operation in all driving conditions. This oil provides: very clean engine, effective lubrication even under heavy duty, excellent heat discharge from the system, effective sealing of the piston-piston ring-cylinder bushing system, corrosion protection.

## APPLICATION:

PLATINUM CLASSIC GAS MINERAL 15W-40 is designed for year-round operation of engines for which the manufacturer recommends SL API service category oil. Perfect for both passenger cars and LCVs running on two fuel types. Recommended for vehicles which are a few years old, as well as older vehicles, fitted with 1st and 2nd generation LPG systems. The oil performs very well in any driving conditions, not only on motorways, but also in urban cycle.

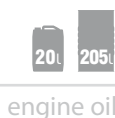
## PLATINUM CLASSIC GAS MINERAL 15W-40

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
14,1	-32	142
base number TBN, mg KOH/g	flash point, °C	
8,5	237	







engine oil

## PLATINUM ULTOR PERFECT 5W-30

### PARAMETRY FIZYKO-CHEMICZNE:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
11,5	-45	160
base number TBN, mg KOH/g	flash point, °C	
-	224	



engine oil

## PLATINUM ULTOR MAX 5W-30

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
12,0	-54	163
base number TBN, mg KOH/g	flash point, °C	
16,0	220	

## TRUCK, BUS AND HEAVY EQUIPMENT OILS

### VISCOSITY GRADE:

SAE: 5W-30

### QUALITY CLASS:

ACEA: E6, E7, E9; API: CJ-4 / SN

### APPROVALS:

MAN 3477; MB-Approval 228.31, MB-Approval 228.51; Volvo VDS-4

### MEETS REQUIREMENTS:

CUMMINS CES 20078, CES 20081; DDC 93K218; DEUTZ DQC IV-10 LA; JASO DH-2; MACK EO-O; PREMIUM PLUS 07; MTU TYPE 3.1; RENAULT RLD-3, RXD; VOLVO VDS-3

### GENERAL FEATURES:

PLATINUM ULTOR PERFECT 5W-30 is a top-quality product combining a synthetic base oil and a technologically advanced package of low SAPS conditioners. This provides both maximum protection for the engine, as demonstrated in a number of engine tests, and the extended failure-free service life of modern exhaust gas after-treatment systems. The application of components which reduce friction between interacting components ensures reduced fuel consumption and increased engine power. The oil provides engine protection as verified by a number of tests, reduced fuel consumption and compatibility with exhaust gas after-treatment devices.

### APPLICATION:

PLATINUM ULTOR PERFECT 5W-30 is designed for modern truck engines fitted with advanced exhaust gas after-treatment systems. Excellent low-temperature properties also allow for the protection of motors during cold starts in winter, when the powertrain is most vulnerable due to insufficient lubrication.

### VISCOSITY GRADE:

SAE: 5W-30

### QUALITY CLASS:

ACEA: E7, E5, E4

### APPROVALS:

MB-Approval 228.5; MAN M 3277; Scania LDF; Deutz DQC IV-10;

Cummins 20077; Volvo VDS-3; MTU Type 3

### MEETS REQUIREMENTS:

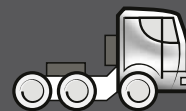
MACK EOM+; Renault RVI RXD; Cummins 20071/72/76; DAF HP1/HP2; IVECO

### GENERAL FEATURES:

Fully synthetic, top-quality UHPDO engine oil, designed for heavy duty Diesel engines. PLATINUM ULTOR MAX 5W-30 is an energy-saving oil that provides reduced fuel and oil consumption, extended drain intervals and improved environmental protection.

### APPLICATION:

PLATINUM ULTOR MAX 5W-30 is designed for year-round use, in particular in modern Diesel engines, with or without turbochargers, in particular in large trucks, construction machinery and buses. Perfectly selected synthetic base oils and conditioners ensure ideal engine lubrication in the harshest operating conditions, helping to reach full power in any driving conditions. It can also be used in cars fitted with SCR systems which the manufacturers declare as compliant with Euro V standards, as well as in older-design cars complying with Euro IV, III, II, I standards. The oil meets EPA Tier I and II standards in terms of NOx and PM emissions.



engine oil

## PLATINUM ULTOR MAX 5W-40

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
14,2	-40	165
base number TBN, mg KOH/g	flash point, °C	
11,6	233	

### VISCOSITY GRADE:

SAE: 5W-40

### QUALITY CLASS:

API: CJ-4, SM

ACEA: E7, E9

### APPROVALS:

MB-Approval 228.31; MAN M 3575; Volvo VDS-4; Renault RVI RLD-3; Cummins CES 20081; Mack EO-O Premium Plus; TATRA TDS 30/12;

### MEETS REQUIREMENTS:

MAN M3275; MTU Type 2; Mercedes-Benz 228.31; Caterpillar ECF-2, ECF-3; Detroit Diesel 93K214, 93K215, 93K218; Deutz DQC III-05, DQC IV-05; Global DHD-1; JASO DH-2; MAZ

### GENERAL FEATURES:

Fully synthetic, top-quality engine oil designed for heavy duty contemporary Diesel engines. Its unique combination of top-quality synthetic base oils and conditioners ensures failure-free engine operation in the harshest service conditions and constant oil parameters during extremely long running periods.

### APPLICATION:

PLATINUM ULTOR MAX 5W-40 is designed primarily for modern Diesel engines which meet the Euro V standard and are equipped with SCR or EGR systems, in particular large trucks, construction machinery and buses. It is also suitable for older-design cars that comply with Euro IV, III, II, I standards. The oil meets EPA Tier I and II standards in terms of NOx and PM emissions.



engine oil

## PLATINUM ULTOR PROGRESS 10W-40

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
14,1	-30	153
base number TBN, mg KOH/g	flash point, °C	
9,6	242	

### VISCOSITY GRADE:

SAE: 10W-40

### QUALITY CLASS:

API: CI-4; ACEA: E6/E7

### APPROVALS:

MAN M3477, MB-Approval 228.51, Volvo VDS-3, Renault RVI RLD-2, Mack EO-N, MTU Type 3.1, Deutz DQC-III-10 LA, Cummins CES 20076/77

### MEETS REQUIREMENTS:

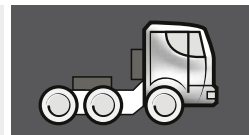
MAN 3271-1; DAF

### GENERAL FEATURES:

State-of-the-art synthetic UHPDO engine oil, designed specifically for European Diesel engines that comply with the most stringent Euro V and Euro V emission standards. Its primary advantages include compatibility with particulate filters and catalysts, conformity to Euro VI, V, IV, III, II, I emission standards, operating stability in extreme temperatures, excellent engine protection against wear and corrosion, very good soot dispersion and extremely long drain intervals in extremely heavy operating conditions.

### APPLICATION:

PLATINUM ULTOR PROGRESS is recommended for Diesel engines running on low-sulphur fuel (max.50 ppm) and fitted with exhaust gas recirculation systems, with or without DPF, and for engines with SCR systems which reduce nitrogen oxides in the exhaust gas. The formulation of this oil represents a huge technological advance. The unique "low SAPS" formulation ensures low sulphur, phosphorus and sulphated ash, which ensures that the relevant quality requirements according to ACEA E6 are met, without adversely affecting the efficacy of filters and catalysts, thus supporting the operation of newer Diesel engines which meet Euro V and Euro VI emission standards. It can also be used for Euro IV, III, II, I compliant engines, for which the manufacturer recommends an engine oil from this grade. The oil meets EPA Tier I and II standards in terms of NOx and PM emissions.

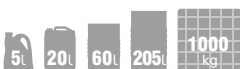


engine oil

## PLATINUM ULTOR OPTIMO 10W-30

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
11,58	-42	142
base number TBN, mg KOH/g	flash point, °C	
8,8	224	



engine oil

## PLATINUM ULTOR EXTREME 10W-40

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
14,2	-42	141
base number TBN, mg KOH/g	flash point, °C	
12,0	240	

### VISCOSITY GRADE:

SAE: 10W-30

### QUALITY CLASS:

API: CJ-4; ACEA: E9

### APPROVALS:

MAN 3575; MB-Approval 228.31; Renault RVI RLD-3; Cummins CES 20081; Volvo VDS-4; Renault RVI RLD-3

### MEETS REQUIREMENTS:

MTU Type 2.1; Deutz DQC III 10LA; Caterpillar ECF-3, ECF-2, ECF-1a

### GENERAL FEATURES:

New-generation, semi-synthetic SHPD engine oil. Its excellent formula was developed with high-quality base oil and supreme conditioners, which are responsible for reduced sulphur, sulphated ash and phosphorus content. It provides excellent engine performance in any working conditions, extended filter service life and oil drain intervals, effective engine cleanliness by keeping pollutants in suspension, improved fuel economy, maximum engine power in extreme conditions, safe operation of catalytic exhaust gas converters.

### APPLICATION:

PLATINUM ULTOR OPTIMO 10W-30 is a mid-SAPS engine oil, recommended for heavy duty Diesel engines. It is designed for engines compliant with Euro V, IV and lower standards. The oil provides superb engine protection, not only on motorways, but also in urban cycle. Recommended for sustainable vehicles, fitted with low-emission engines and exhaust gas after-treatment devices such as DPF, EGR/SCR NOx. PLATINUM ULTOR OPTIMO 10W-30 is suitable for construction machinery and other heavy equipment for which the manufacturer recommends oil from the viscosity grade as indicated below. It offers extended drain intervals, which drives engine operation costs down, and therefore it is perfectly suited for mixed fleets. This oil can be used for EPA Tier 3 and EPA Tier 4 compliant vehicles if it meets all of the vehicle manufacturer's requirements in terms of quality class and viscosity grade.

### VISCOSITY GRADE:

SAE: 10W-40

### QUALITY CLASS:

API: CI-4/CH-4/CG-4/CF-4/SL

ACEA: E4, E7

### APPROVALS:

MAN 3277; MB-Approval 228.5; Volvo VDS-3; Renault VI RLD-2; Mack EO-N; TATRA TDS 30/12

### MEETS REQUIREMENTS:

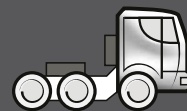
Mercedes-Benz 228.3; MTU Oil Type 2; MAN 3275; Volvo VDS-2; DAF

### GENERAL FEATURES:

New-generation semi-synthetic UHPDO engine oil, designed specifically for newer Diesel engines working in extremely harsh conditions with a maximum oil drain interval, which meets the most stringent Euro V emission standards. Its unique combination of non-conventional synthetic and mineral base oils, coupled with a package of high-quality, new-generation conditioners, meets the strictest ACEA, API and car manufacturers' requirements, as well as environmental protection requirements. This oil meets EPA Tier I and II standards in terms of NOx and PM emissions.

### APPLICATION:

PLATINUM ULTOR EXTREME is designed primarily for newer Diesel engines which meet the Euro V standard, and which are equipped with SCR or EGR systems. It is also recommended for heavy duty petrol engines.



engine oil

## PLATINUM ULTOR MASTER 10W-40

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
13,8	-30	145
base number TBN, mg KOH/g	flash point, °C	
12,0	216	



engine oil

## PLATINUM ULTOR FUTURO 15W-40

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
14,9	-30	136
base number TBN, mg KOH/g	flash point, °C	
7,8	230	

### VISCOSITY GRADE:

SAE: 10W-40

### QUALITY CLASS:

API: CH-4/CG-4/CF-4/SL

ACEA: E7, E4

### MEETS REQUIREMENTS:

MAN M 3275; Mercedes-Benz 228.3; Volvo VDS-2; Renault RVI RLD

### GENERAL FEATURES:

High-quality, semi-synthetic, multigrade engine oil. The perfect balance between its package of conditioners and high-quality base oils allows PLATINUM ULTOR MASTER 10W-40 to perform superbly, ensuring failure-free engine operation in the harshest operating conditions. PLATINUM ULTOR MASTER 10W-40 is compatible with exhaust gas after-treatment devices, such as EGR, SCR NOx. This oil provides: failure-free engine operation in any service conditions, excellent engine efficiency, compatibility with exhaust gas after-treatment devices, extended service life, superb corrosion resistance and thermo-oxidation stability. It also keeps the engine clean by keeping soot in suspension.

### APPLICATION:

PLATINUM ULTOR MASTER 10W-40 is designed for heavy duty Diesel engines in trucks, heavy construction equipment, buses and tractor units. Recommended for year-round use in modern Diesel engines, with or without turbochargers, working even in extremely harsh conditions. It offers excellent performance both in urban cycle and on motorways. Recommended for vehicles which meet Euro V, IV, III emission standards, fitted with exhaust gas after-treatment devices such as EGR, SCR NOx. Its new formula allows PLATINUM ULTOR MASTER 10W-40 to extend engine service life to the maximum.

### VISCOSITY GRADE:

SAE: 15W-40

### QUALITY CLASS:

API: CJ-4/CI-4 Plus/CI-4, SM/CF

ACEA: E9, E7

### APPROVALS:

MB-Approval 228.31; Volvo VDS-4; Renault RVI RLD-3; MAN M3275; MAN M3575; Mack EO-O Premium Plus; Cummins CES 20081

### MEETS REQUIREMENTS:

MTU Type 2.1; Caterpillar ECF-2, ECF-3; DDC 93K218; Global DHD-1; JASO DH-1,2

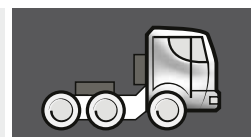
### GENERAL FEATURES:

Top-quality SHPD engine oil, developed on the basis of high-quality API Gr. II base oil and perfectly matched with a package of conditioners with a unique molecular formula, developed thanks to the latest Mid-SAPS technology

### APPLICATION:

PLATINUM ULTOR FUTURO 15W-40 is designed for all Diesel engine types, both passenger and heavy duty, including low-emission units. It is particularly recommended for engines with exhaust gas recirculation systems, where new technologies reducing atmospheric emissions are applied. The oil is compatible with all exhaust gas after-treatment units (EGR/SCR, DOC, DPF) and is designed to extend DPF service life. Thanks to the application of new Mid-SAPS technology and API Gr. II base oil (low sulphur), this oil meets the latest exhaust emissions requirements (Euro V) - ACE E9 may become a baseline set of requirements for future Euro VI emission standards. It can also be used for Euro IV and III compliant vehicles. This oil meets EPA Tier I and II standards in terms of NOx and PM emissions.





engine oil

## PLATINUM ULTOR PLUS 15W-40

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
14,4	-30	139
base number TBN, mg KOH/g	flash point, °C	
11,2	228	



engine oil

## PLATINUM ULTOR CH-4 15W-40

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
14,2	-39	133
base number TBN, mg KOH/g	flash point, °C	
10,3	216	

### VISCOSITY GRADE:

SAE: 15W-40

### QUALITY CLASS:

API: CI-4/CH-4/CG-4/SL/SJ

ACEA: E7/E5/E3/B4/B3/A3

### APPROVALS:

MB-Approval 228.3; MB-Approval 229.1; MAN M 3275-1; Volvo VDS-3; Renault RVI RLD/RLD-2; Cummins CES 20078; MTU Type 2; TEDOM 258-3; AVIA

### MEETS REQUIREMENTS:

Cummins CES 20071/72/75/76/77; Volkswagen 505.00; Scania (applies to Scania Euro III and Euro IV engines with oil drain intervals of 60,000 km); DAF EUR 2 i EUR 3; Iveco; Deutz DQC-III-05; Mack EO-M Plus; Detroit Diesel 7SE 270; Caterpillar ECF-1a

### GENERAL FEATURES:

New-generation, mineral, multigrade engine oil for extremely heavy duty modern Diesel engines. Its unique combination of top-quality mineral base oils and conditioners ensures failure-free engine operation in the even harshest operating conditions, as well as constant oil parameters during extremely long running periods.

### APPLICATION:

PLATINUM ULTOR MAX 15W-40 is designed primarily for modern Diesel engines which comply with Euro V requirements and are equipped with SCR or EGR systems, in particular large trucks, construction machinery and buses. It is also suitable for older-design cars that comply with Euro IV, III, II, I requirements. The oil meets EPA Tier I and II standards in terms of NOx and PM emissions.

### VISCOSITY GRADE:

SAE: 15W-40

### QUALITY CLASS:

API: CH-4/CG-4/CF-4/SJ/SF

ACEA: E7/E5/E3/B4/B3/A3

### APPROVALS:

MB-Approval 228.3; MAN M 3275-1; Volvo VDS-2; Renault RVI RD/RD-2; MTU Type 2; Deutz DQC-II-10; TATRA TDS 30/12; TEDOM 258-3; AVIA

### MEETS REQUIREMENTS:

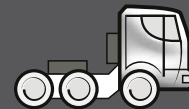
Scania (applies to Scania Euro III and Euro IV engines with oil drain intervals of 60,000 km); DAF EUR 2 i EUR 3; Iveco; Caterpillar ECF-1a

### GENERAL FEATURES:

Mineral, multigrade engine oil for heavy duty Diesel engines. This oil's special composition provides excellent engine protection against wear, long drain intervals and it also conforms to car manufacturer guidelines.

### APPLICATION:

PLATINUM ULTOR CH-4 15W-40 is designed for modern Diesel engines that comply with Euro IV standards. It can be used for vehicles fitted with SCR or EGR units. It can also be used for older-design, Euro III, II, I compliant vehicles.



engine oil

## PLATINUM ULTOR CG-4 15W-40

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
14,3	-35	140
base number TBN, mg KOH/g	flash point, °C	
10,5	223	

### VISCOSITY GRADE:

SAE: 15W-40

### QUALITY CLASS:

API: CG-4

ACEA: E3/B3/B2

### APPROVALS:

MB – Approval 228.3; MAN M 3275-1; Volvo VDS-2; Renault RVI RD/RD-2; TEDOM 258-3; AVIA

### MEETS REQUIREMENTS:

MTU Type 2; Deutz DQC-II-05; Caterpillar ECF-1a; DAF EUR 2 and EUR 3; Scania (applies to Scania Euro III and Euro IV engines with oil drain intervals of 60,000 km)

### GENERAL FEATURES:

Mineral, multigrade SHPDO oil for heavy duty Diesel engines.

### APPLICATION:

PLATINUM ULTOR CG-4 15W - 40 is a modern SHPDO (Super High Performance Diesel Oil) engine oil designed for the lubrication of Diesel engines, with or without turbochargers, which are Euro III, II and I compliant; in particular in large trucks, buses working in harsh conditions, and construction machinery. It offers excellent anti-wear and anti-corrosive properties, extended service life and it also helps prevent against piston rings seizing up.



engine oil

## PLATINUM ULTOR DIESEL 15W-40, 15W-50, 20W-50

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm²/s		pour point, °C	viscosity index
15W-40	13,0	-33	129
15W-50	16,7	-36	140
20W-50	17,1	-27	121
sulphated ash, % m/m		base number TBN, mg KOH/g	Noack volatility, % m/m
15W-40	1,0	7,7	9,5
15W-50	1,0	7,5	10
20W-50	1,0	8,0	10,2

### VISCOSITY GRADE:

SAE: 15W-40

SAE: 15W-50

SAE: 20W-50

### QUALITY CLASS:

API CF-4/CF/SJ

### MEETS REQUIREMENTS:

Mercedes-Benz 228.0, Mercedes-Benz 228.1, MAN 270, MAN 271, MTU 1.0, Deutz DQC-I-05

### GENERAL FEATURES:

High-quality oils primarily designed for Diesel engines in trucks, buses and heavy machinery operated at various ambient temperatures

### APPLICATION:

Multigrade PLATINUM ULTOR DIESEL CF-4 oils are designed for Diesel engines of all types, turbocharged, and naturally aspirated, working in various conditions. Its carefully selected conditioner formula ensures a high level of engine protection and renders the oil suitable for trucks, buses and construction machinery working in extremely harsh conditions. Suitable for Euro II compliant engines



ORLEN OIL DIESEL  
(2) HPDO CG-4 15W-40

PHYSICAL AND CHEMICAL PARAMETERS:

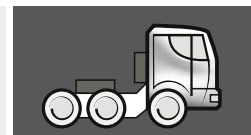
kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
14,5	-28	140
base number TBN, mg KOH/g	flash point, °C	
10,5	222	

**VISCOSITY GRADE:**  
SAE: 15W-40  
**QUALITY CLASS:**  
API: CG-4/SJ  
ACEA: E3/E2/B3/B2/A2  
**APPROVALS:**  
MB-Approval 228.1; MAN 271; Volvo VDS (15W-40); ZETOR Proxima, Proxima Plus, Proxima Power, Forterra (15W-40)  
**MEETS REQUIREMENTS:**  
Deutz DQC-II-05

**GENERAL FEATURES:**  
High quality, mineral HPDO engine oils.

**APPLICATION:**  
ORLEN OIL DIESEL (2) HPDO are designed for heavy and average-duty Diesel engines, with or without turbochargers, in particular large trucks, construction machinery and buses. They are also suitable for LCVs and passenger cars with petrol and Diesel engines operated in extremely harsh conditions. It is a perfect choice for companies operating fleets of various vehicles, for which their manufacturers recommend CD, CE, CF-4 lower-grade oils.





engine oil

## VISCOSITY GRADE:

SAE: 15W-40

## QUALITY CLASS:

API: CD

## GENERAL FEATURES:

Mineral, multigrade oil for Diesel engines.

## APPLICATION:

ORLEN OIL SUPEROL F 15W-40 is designed for Diesel engines of various types, charged and turbocharged, light and heavy-duty. It is also recommended for heavily used engines.

## ORLEN OIL SUPEROL F 15W-40

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
14,3	-27	132
base number TBN, mg KOH/g	flash point, °C	
7,0	230	



engine oil

## VISCOSITY GRADE:

SAE: 10W

## QUALITY CLASS:

API: CD

## GENERAL FEATURES:

Mineral, single-grade (winter) oil for Diesel engines.

## APPLICATION:

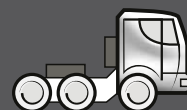
ORLEN OIL SUPEROL CD 10W is designed for Diesel engines of various types, charged and turbocharged, light and heavy-duty. It is also recommended for heavily used engines.

## ORLEN OIL SUPEROL CD 10W

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
6,5	-33	111
base number TBN, mg KOH/g	flash point, °C	
7,0	218	





engine oil

## VISCOSITY GRADE:

SAE: 15W-40

## QUALITY CLASS:

API: CC

## GENERAL FEATURES:

Mineral, multigrade oil for Diesel engines.

## APPLICATION:

ORLEN OIL SUPEROL M 15W-40 is designed for various types of lightly charged diesel engines working in medium-duty thermal and mechanical operating conditions.

## ORLEN OIL SUPEROL M 15W-40

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
14,1	-30	135
base number TBN, mg KOH/g	flash point, °C	
4,5	235	



engine oil

## VISCOSITY GRADE:

SAE: 30

## QUALITY CLASS:

API: CC

## GENERAL FEATURES:

Single-grade (summer) oil for Diesel engines.

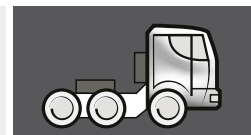
## APPLICATION:

SUPEROL CC 30 is designed for various types of lightly charged diesel engines working in medium-duty thermal and mechanical conditions.

## ORLEN OIL SUPEROL CC 30

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
11,6	-22	106
base number TBN, mg KOH/g	flash point, °C	
4,5	248	



engine oil

## VISCOSITY GRADE:

SAE: 40

## QUALITY CLASS:

API: CC

## GENERAL FEATURES:

Single-grade (summer) oil for Diesel engines.

## APPLICATION:

ORLEN OIL SUPEROL CC 40 is designed for summer use in various types of lightly charged Diesel engines working in medium-duty thermal and mechanical conditions.

## ORLEN OIL SUPEROL CC 40

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
14,8	-20	100
base number TBN, mg KOH/g	flash point, °C	
4,5	254	



engine oil

## VISCOSITY GRADE:

SAE: 30

## QUALITY CLASS:

API: CB

## GENERAL FEATURES:

Single-grade (summer) oil for Diesel engines.

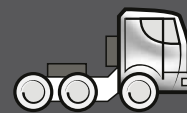
## APPLICATION:

ORLEN OIL SUPEROL CB 30 is designed primarily for summer use in non-charged Diesel engines working in light and medium duty conditions. It is recommended for older engine types, for which the manufacturer recommends API-CB oil.

## ORLEN OIL SUPEROL CB 30

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
11,5	-23	93
base number TBN, mg KOH/g	flash point, °C	
3,5	252	



engine oil

## VISCOSITY GRADE:

SAE: 40

## QUALITY CLASS:

API: CB

## GENERAL FEATURES:

Single-grade (summer) oil for Diesel engines.

## APPLICATION:

ORLEN OIL SUPEROL CB 40 is designed primarily for summer use in non-charged Diesel engines working in light and medium duty conditions. It is recommended for older engine types, for which the manufacturer recommends API-CB oil.

## ORLEN OIL SUPEROL CB 40

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
14,8	-20	91
base number TBN, mg KOH/g	flash point, °C	
3,2	270	



205L

engine oil

## VISCOSITY GRADE:

SAE: 50

## QUALITY CLASS:

API: CB

## GENERAL FEATURES:

Single-grade (summer) oil for Diesel engines

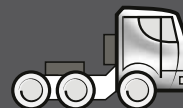
## APPLICATION:

ORLEN OIL SUPEROL CB 50 is designed primarily for summer use in non-charged Diesel engines working in light and medium duty conditions. It is recommended for older engine types, for which the manufacturer recommends API-CB oil.

## ORLEN OIL SUPEROL CB 50

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
17,6	-18	91
base number TBN, mg KOH/g	flash point, °C	
3,6	274	



engine oil

**VISCOSITY GRADE:**

SAE: 15W-40

**QUALITY CLASS:**

API: CB/SC

**GENERAL FEATURES:**

Mineral, multigrade oil for Diesel engines.

**APPLICATION:**

ORLEN OIL SUPEROL A 15W-40 is designed for non-charged Diesel engines working in light and medium duty conditions. It is recommended for older engine types, for which the manufacturer recommends API-CB oil. It is also designed for older petrol engine types, for which the manufacturer recommends API-SC oil.

## ORLEN OIL SUPEROL A 15W-40

**PHYSICAL AND CHEMICAL PARAMETERS:**

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
14,5	-27	130
base number TBN, mg KOH/g	flash point, °C	
5,2	233	







engine oil

## PLATINUM MOTO 4T SYNTHETIC 10W-50

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
17,0	-50	162
sulphated ash, % m/m	flash point, °C	
0,97	250	



engine oil

## PLATINUM MOTO 4T SEMISYNTHETIC 10W-40

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
14,2	-30	160
sulphated ash, % m/m	flash point, °C	
0,92	250	

## FOUR-STROKE MOTORCYCLE ENGINE OILS

### VISCOSITY GRADE:

SAE: 10W-50

### QUALITY CLASS:

API: SL

JASO: MA/MA2

### GENERAL FEATURES:

Advanced-technology formula with hand-picked synthetic base oils and state-of-the-art conditioners to provide supreme-quality oil.

### APPLICATION:

PLATINUM MOTO 4T SYNTHETIC is a fully synthetic oil for the lubrication of the latest heavy duty four-stroke motorcycle engines, as well as for motorcycle transmission gears, including wet clutch transmission gears. PLATINUM MOTO 4T SYNTHETIC can be used for both everyday use and high-performance sports in liquid-cooled and air-cooled motorcycles from a broad range of engine power ratings in individual gears and maximum engine speeds. Suitable for four-stroke motorcycles by Yamaha, Suzuki, Honda and others, for which the manufacturers recommend this oil grade.

### VISCOSITY GRADE:

SAE: 10W-40

### QUALITY CLASS:

API: SM

JASO: MA/MA2

### GENERAL FEATURES:

Semi-synthetic oil that provides excellent corrosion and wear protection, a perfectly clean engine, faster gear shifting, high performance and stable engine operation, as well as long and smooth engine operation at maximum power.

### APPLICATION:

PLATINUM MOTO 4T SEMISYNTHETIC is a supreme-quality semi-synthetic oil designed for the lubrication of the latest heavy duty four-stroke motorcycle engines heavy duty, as well as for motorcycle transmission gears, including wet clutch transmission gears. It can be effectively used for both everyday service and high-performance sports.

# FOUR-STROKE MOTORCYCLE ENGINE OILS



engine oil

## QUALITY CLASS:

API: TC

JASO: FC

ISO-L-EGD

## GENERAL FEATURES:

Semi-synthetic oil with excellent service properties, providing excellent wear protection, very good miscibility with fuel, and very good anti-corrosive properties.

## APPLICATION:

PLATINUM MOTO 2T is a synthetic oil for two-stroke engines, suitable for lubrication in a mixture or as a separate lubricant. It was designed for two-stroke engine cars, two-stroke engine motorcycles, petrol engine-powered chain and circular saws, trimmers and any type of two-stroke engine-fitted gardening equipment. Dosing: as per the manufacturer's recommendations. 2 % of the fuel volume /1:50/ unless otherwise recommended by the engine manufacturer.

## PLATINUM MOTO 2T

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C
8,1	-28
sulphated ash, % m/m	flash point, °C
0,07	81



205

1000

engine oil

## QUALITY CLASS:

API: TC

## GENERAL FEATURES:

Semi-synthetic oil.

## APPLICATION:

ORLEN OIL 2T SEMISYNTHETIC is a semi-synthetic oil for two-stroke engines, including heavily exerted engines with cubic capacity from 20 to 500 cm<sup>3</sup>, suitable for lubrication in a mixture or as a separate lubricant. It is designed for: petrol engine-powered chain and circular saws, trimmers and any type of two-stroke engine-fitted gardening equipment, cars and motorcycles. Dosing: 2 % of the fuel volume /1:50/ unless otherwise recommended by the engine manufacturer.

## ORLEN OIL 2T SEMISYNTHETIC

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C
9,9	-30
sulphated ash, % m/m	flash point, °C
0,17	70

# TWO-STROKE MOTORCYCLE ENGINE AND OTHER EQUIPMENT OIL



engine oil

## QUALITY CLASS:

API: TB/TA

## GENERAL FEATURES:

Oil manufactured from highly refined base oils and conditioners package. It provides very good miscibility with fuel and good cleaning and dispersion properties, which prevents the formation of varnish, sludge, engine scale and deposits. It also guarantees a low pour point, which makes it suitable for harsh operating environments, and very good anti-corrosive properties.

## APPLICATION:

MIXOL S is designed for spark ignition two-stroke engines greased with a lubricant mixture. It contains a solvent which ensures easy mixing with fuel. It can be added directly to the fuel tank. The most suitable mixing ratio is provided in the engine lubrication instructions.

## MIXOL S

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C
6,0	-40
sulphated ash, % m/m	flash point, °C
0,11	85







## OUTBOARD ENGINE OILS



engine oil

### MEETS REQUIREMENTS:

NMMA (National Marine Manufacturers Association): TC-W3®

### GENERAL FEATURES:

An engine oil that is marked by very good fuel miscibility; it extends the engine service life, minimises harmful self-ignition, provides excellent piston wear and seizure protection and also extends spark plug service life.

### APPLICATION:

PLATINUM BOAT is designed for all two-stroke outboard engines in motor boats, where oils with NMMA TC-W, TC-W2®, TC-W3® specifications are recommended. Dosing: 2% of the fuel volume /1:50/, but can be used in other ratios as recommended by the engine manufacturer.

## PLATINUM BOAT

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	sulphated ash, % m/m
6,5	–	<0,015
base number TBN, mg KOH/g	flash point, °C	
8,7	82	







gear oil

## PLATINUM GEAR SX 75W-90

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100°C, mm <sup>2</sup> /s	pour point, °C	viscosity index
15,6	-40	153
base number TBN, mg KOH/g	flash point, °C	
–	216	

## MANUAL TRANSMISSION AND REAR AXLE OILS

### VISCOSITY GRADE:

SAE: 75W-90

### QUALITY CLASS:

API: GL-5

### MEETS REQUIREMENTS:

MAN 342 M1/M2; ZF TE-ML 05A, ZF TE-ML 7A, ZF TE-ML 12E, ZF TE-ML 16B, C, D, ZF TE-ML 17B, ZF TE-ML 19B, ZF TE-ML 21A; NATO O-226

### GENERAL FEATURES:

PLATINUM GEAR SX 75W-90 is a high-quality synthetic gear oil for trucks, construction and agricultural machinery. Modern synthetic base oil technology ensures stable parameters and protection of powertrain components throughout their service life. It ensures stable lubrication properties during the service life, high load capacity, excellent lubricating and anti-wear properties.

### APPLICATION:

PLATINUM GEAR SX 75W-90 is designed primarily for main gearboxes and rear axles.



gear oil

## PLATINUM GEAR SV 75W-80

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100°C, mm <sup>2</sup> /s	pour point, °C	viscosity index
9,09	-41	154
base number TBN, mg KOH/g	flash point, °C	
–	216	

### VISCOSITY GRADE:

SAE: 75W-80

### QUALITY CLASS:

API: GL-4

### MEETS REQUIREMENTS:

Mercedes-Benz 235.5; ZF TE-ML 01, 02, 08; MAN 341 Z2; DAF; Iveco Eaton

### GENERAL FEATURES:

PLATINUM GEAR SV 75W-80 is a high-quality synthetic gear oil. The application of state-of-the-art Extreme Pressure additives results in the oil's capacity to carry heavy loads. The supreme-quality of this synthetic base oil ensures that its excellent lubricating properties are maintained throughout the product's service life. The oil ensures stable lubrication properties throughout the service life, as well as a high load capacity and excellent lubricating and anti-wear properties.

### APPLICATION:

PLATINUM GEAR SV 75W-80 is designed for gearboxes and axles of passenger cars, trucks and heavy construction machinery.



gear oil

## PLATINUM GEAR GL-5 80W-90

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
15,0	-30	99
base number TBN, mg KOH/g	flash point, °C	
–	215	

### VISCOSITY GRADE:

SAE: 80W-90

### QUALITY CLASS:

API: GL-5

### APPROVALS:

MAN 342 type M1; ZF TE-ML, 16B, 17B, 19B, 21A; TATRA TDS 80/32; ZETOR (Proxima, Proxima Plus, Proxima Power, Forterra)

### MEETS REQUIREMENTS:

Mercedes Benz 235.0; MIL-L-2105D; RENAULT; Voith 3.325-339; Volvo 97310; Volvo 97316; ZF TE-ML 07A, 16C, 16D, 21A; DAF

### GENERAL FEATURES:

High-quality gear oil developed on the basis of deeply refined mineral oils. It shows excellent lubricating properties, high resistance to oxidation and a high load capacity. PLATINUM GEAR GL-5 80W-90 offers very good anti-wear properties and provides superb protection against rusting and other types of corrosion.

### APPLICATION:

PLATINUM GEAR GL-5 80W-90 is designed for lubrication of manual gear-boxes and other transmission systems in heavily used motor vehicles, i.e.: those that run at high speed/low torque and low speed/high torque. It is also recommended for all machinery and equipment for which GL-5 API service category oil is recommended by the manufacturer.



gear oil

## PLATINUM GEAR GL-4 80W-90

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
16,3	-29	98
base number TBN, mg KOH/g	flash point, °C	
–	213	

### VISCOSITY GRADE:

SAE: 80W-90

### QUALITY CLASS:

API: GL-4

### APPROVALS:

MAN 341 type Z2, MAN 341 type E1; ZF TE-ML 02B, 16A, 17A, 19A

### MEETS REQUIREMENTS:

Mercedes Benz 235.1

### GENERAL FEATURES:

High-quality gear oil developed on the basis of deeply refined mineral oils. It has excellent lubricating properties, high resistance to oxidation and a high load capacity. PLATINUM GEAR GL-4 80W-90 offers very good anti-wear properties and provides superb protection against rusting and other types of corrosion.

### APPLICATION:

PLATINUM GEAR GL-4 80W-90 is designed for the lubrication of manual gearboxes and other transmission systems in heavily used motor vehicles, i.e.: those that run at high speed/low torque and low speed/high torque. It is also recommended for all machinery and equipment for which GL-4 API service category oil is recommended by the manufacturer.



gear oil

## PLATINUM GEAR GL-4 80W

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
9,6	-29	97
base number TBN, mg KOH/g	flash point, °C	
–	218	

### VISCOSITY GRADE:

SAE: 80W

### QUALITY CLASS:

API: GL-4

### APPROVALS:

MAN 341 type Z2, MAN 341 type E1; MB-Approval 235.1; ZF TE-ML 02B, 17A

### MEETS REQUIREMENTS:

ZF TE-ML 16A, 19A

### GENERAL FEATURES:

High-quality gear oil developed on the basis of deeply refined mineral oils. It shows excellent lubricating properties, high resistance to oxidation and high load capacity. PLATINUM GEAR GL-4 80W offers very good anti-wear properties and provides superb protection against rusting and other types of corrosion.

### APPLICATION:

PLATINUM GEAR GL-4 80W is designed for the lubrication of manual gear-boxes and other transmission systems in heavily used motor vehicles, i.e.: those that run at high speed/low torque and low speed/high torque. It is also recommended for all machinery and equipment for which GL-4 API service category oil is recommended by the manufacturer.



gear oil

## PLATINUM GEAR GL-5 85W-90

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
16,5	-26	95
base number TBN, mg KOH/g	flash point, °C	
–	225	

### VISCOSITY GRADE:

SAE: 85W-90

### QUALITY CLASS:

API: GL-5

### MEETS REQUIREMENTS:

MAN 342 Type M1; Mercedes-Benz 235.0; MIL-L-2105D; RENAULT; Voith 3.325-339; Volvo 97310; Volvo 97316; ZF TE-ML 05A, 07A, 16B, 16C, 16D, 17B, 19B, 21A; DAF

### GENERAL FEATURES:

Mineral oil which offers very good lubricating and anti-rust properties, high resistance to oxidation and a high load capacity.

### APPLICATION:

PLATINUM GEAR GL-5 85W-90 is designed for the lubrication of rear axles and transmission systems in heavily used motor vehicles, i.e.:

- high speed and low torque,
- low speed and high torque,
- and all machinery and equipment for which GL-5 API service category oil is recommended by the manufacturer.



gear oil

## PLATINUM GEAR LS 80W-90

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
14,9	-30	98
base number TBN, mg KOH/g	flash point, °C	
–	230	

### VISCOSITY GRADE:

SAE: 80W-90

### QUALITY CLASS:

API: GL-5

### APPROVALS:

ZF TE-ML 05C 12C, 16E, 21C

### MEETS REQUIREMENTS:

MIL-L-2105D; MAN 342 M-1; Mercedes-Benz 235.0; Voith 3.325-339; Volvo 97310; Volvo 97316; Renault ZF TE-ML 05A, 07A, 08, 16B, 16C, 16D, 17B, 19B, 21A; DAF

### GENERAL FEATURES:

New-generation, multigrade gear oil. Designed on the basis of an excellent combination of deeply refined mineral base oils and a top-quality conditioner package. It ensures optimum lubrication and maximum manual gearbox and LS transmission protection. It offers excellent thermal and oxidation stability, good corrosion and rust protection, high load capacity, excellent lubricating and anti-wear properties, as well as very good anti-foaming properties.

### APPLICATION:

PLATINUM GEAR LS 80W-90 is a high-quality multigrade gear oil for manual transmission systems in of passenger cars, trucks and heavy duty buses, for which GL-5 API service category oil is recommended. It is suitable for heavy duty vehicles, construction equipment and other mechanical devices fitted with limited slip transmission. Owing to its high load capacity, it is recommended for vehicle drive axles for which GL-5 API service category oil is recommended by the manufacturer.



gear oil

## PLATINUM GEAR LL 80W-90

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
14,9	-33	98
base number TBN, mg KOH/g	flash point, °C	
–	230	

### VISCOSITY GRADE:

SAE: 80W-90; J2360

### QUALITY CLASS:

API: GL-4/GL-5; API: MT-1

### APPROVALS:

ZF TE-ML TE-ML 02B, 05A, 12L, 12M, 16B, 17B, 19B, 21A; MAN 342 Type M2, MAN 341 Type E2, MAN 341 Type Z2

### MEETS REQUIREMENTS:

MIL-PRF-2105E; MB 235.0; SCANIA STO 1:0; RENAULT; MACK GO-J; ZF TE-ML 07A, 08, 16C, 16D; ArvinMeritor; DAF; IVECO

### GENERAL FEATURES:

Mineral, multigrade, supreme-quality gear oil with extended service life. Designed for application in manual gearboxes and drive axles in motor vehicles. The ideally selected conditioner package ensures the smooth operation of drive axles, easy gear shifting and high oil stability.

It offers extended oil drain intervals of up to 160 000 km, excellent thermal and oxidation stability, very clean gearbox, rust and corrosion protection, high load capacity and excellent lubricating and anti-wear properties.

### APPLICATION:

PLATINUM GEAR LL 80W-90 is an excellent gear oil for year-round use in passenger cars, LCVs, trucks and other extreme heavy duty utility motor vehicles, i.e. at high stroke loads and high speeds, as well as high temperatures. It is designed for synchronous and non-synchronous gearboxes and drive axles in motor vehicles. It can also be used for heavy duty vehicles and buses, as well as for a wide range of other equipment, for which GL-5 or GL-4 API service category oil is recommended. It is particularly recommended for drive axles from manufacturers such as Renault, DAF, Iveco, and many others. It meets API MT-1 category requirements for manual non-synchronous transmission oils.





gear oil

## PLATINUM GEAR LX 85W-140

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
27,5	-23	95
base number TBN, mg KOH/g	flash point, °C	
–	230	

### VISCOSITY GRADE:

SAE: 85W-140

### QUALITY CLASS:

API: GL-5

### MEETS REQUIREMENTS:

ZF TE-ML 05A, 07A, 08, 12E, 16BD, 17B, 19B, 21A, 02A, 02B, 17A; Scania STO 1:0; Volvo 1273.1

### GENERAL FEATURES:

PLATINUM GEAR LX 85W-140 is a high-quality gear oil for trucks and construction and agricultural machinery. Its good oxidation resistance and high load capacity ensures the protection of transmission components throughout their service life. It ensures stable lubrication properties during the service life, a high load capacity and excellent lubricating and anti-wear properties.

### APPLICATION:

PLATINUM GEAR LX 85W-140 is designed primarily for main gearboxes and rear axles.



gear oil

## HIPOL® SEMISYNTHETIC GL-5 75W-90

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
16,4	-45	145
base number TBN, mg KOH/g	flash point, °C	
–	190	

### VISCOSITY GRADE:

SAE: 75W-90

### QUALITY CLASS:

API: GL-5

### GENERAL FEATURES:

All-purpose semi-synthetic oil.

### APPLICATION:

HIPOL® SEMISYNTHETIC GL-5 75W-90 is a multigrade semi-synthetic oil for transmission systems, especially spiral bevel gear systems, in passenger cars, trucks, buses and other extreme heavy duty vehicles, machinery and equipment, for which GL-5 API service category oil is recommended by the manufacturer.



gear oil

## HIPOL® GL-5 85W-140

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
26,5	-26	98
base number TBN, mg KOH/g	flash point, °C	
–	248	

### VISCOSITY GRADE:

SAE: 85W-140

### QUALITY CLASS:

API: GL-5

### ACCEPTANCE:

Authorised for application in Melex vehicles.

Authorised for application in lateral transmission and traction frame shaft enclosures of heavy equipment at the Stalowa Wola Steel Mill (HSW).

### GENERAL FEATURES:

Mineral oil with very good lubricating, antioxidising, anticorrosive and anti-foaming properties.

### APPLICATION:

HIPOL® GL-5 85W-140 is a multigrade oil for the lubrication of transmission systems and rear axles in motor vehicles – passenger cars, trucks, buses, construction and agricultural machinery – extreme heavy duty vehicles and machinery for which GL-5 API service category or MIL-L-2105D oil is recommended.



gear oil

## HIPOL® GL-5 80W-90

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
14,5	-30	106
base number TBN, mg KOH/g	flash point, °C	
–	220	

### VISCOSITY GRADE:

SAE: 80W-90

### QUALITY CLASS:

API: GL-5

### ACCEPTANCE:

Authorised for application in lateral transmission and traction frame shaft enclosures of heavy equipment at the Stalowa Wola Steel Mill (HSW).

### GENERAL FEATURES:

Mineral oil with very good lubricating, antioxidising, anticorrosive and anti-foaming properties.

### APPLICATION:

HIPOL® GL-5 80W-90 is a mineral oil for the lubrication of transmission of motor vehicles, in particular heavily used gearboxes and main transmissions, for which GL-5 API service category oil is recommended. This oil has excellent service properties ensuring maximum protection against mechanical wear.



## HIPOL® 15F

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
18,0	-25	101
base number TBN, mg KOH/g	flash point, °C	
–	222	

### VISCOSITY GRADE:

SAE: 85W-90

### QUALITY CLASS:

API: GL-5

### ACCEPTANCE:

Authorised for application in Melex vehicles.

### GENERAL FEATURES:

Mineral oil with very good lubricating, antioxidising, anticorrosive and anti-foaming properties.

### APPLICATION:

HIPOL 15F is designed for the lubrication of rear axles and transmissions in heavy duty motor vehicles, i.e.:

- those that run at high speed and low torque,
- low speed and high torque,
- and all machinery and equipment for which GL-5 API service category oil is recommended by the manufacturer.



## HIPOL® GL-4 80W-90

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
15,6	-27	104
base number TBN, mg KOH/g	flash point, °C	
–	235	

### VISCOSITY GRADE:

SAE: 80W-90

### QUALITY CLASS:

API: GL-4

### GENERAL FEATURES:

Mineral oil which offers very good lubricating and anti-rust properties, high resistance to oxidation and high load capacity.

### APPLICATION:

HIPOL® GL-4 80W-90 is designed for the lubrication of motor vehicle transmissions, in particular gearboxes and main transmissions of passenger cars, trucks, and heavy duty earth-moving equipment, i.e.:

- those that run at high speed and low torque,
- low speed and high torque,
- as well as all machinery and equipment for which GL-4 API service category oil is recommended by the manufacturer.



gear oil

## VISCOSITY GRADE:

SAE: 80W

## QUALITY CLASS:

API: GL-4

## APPROVALS:

ZETOR Proxima, Proxima Plus, Forterra

## HIPOL® 6

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
9,9	-31	98
base number TBN, mg KOH/g	flash point, °C	
–	237	

## GENERAL FEATURES:

An oil developed on the basis of highly-refined mineral base oils, which contains additives that improve lubricating properties and a package of high-quality antioxidising, anticorrosive and foaming resistant conditioners.

## APPLICATION:

HIPOL® 6 is designed for the lubrication of agricultural tractor transmissions, both in summer and winter, in accordance with the tractor operating instructions. This oil can also be used for tractor hydraulic systems and interacting equipment, e.g. front loaders, tipping trailers, etc.



gear oil

## VISCOSITY GRADE:

SAE: 80W-90

## QUALITY CLASS:

API: GL-3

## GENERAL FEATURES:

Mineral, multigrade oil with very good lubricating, antioxidising, anticorrosive, antifoaming, dispersion and cleaning properties.

## APPLICATION:

HIPOL® MF 80W-90 is designed to lubricate manual gearboxes in medium duty motor vehicles, in particular compact cars, and is recommended for the lubrication of the transmission and drivetrain of the Fiat 126p.

## HIPOL® MF 80W-90

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
14,0	-27	100
base number TBN, mg KOH/g	flash point, °C	
–	242	





## AUTOMATIC TRANSMISSION AND POWER STEERING OILS

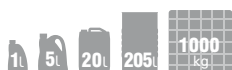


gear oil

### PLATINUM ATF III

#### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	antiwear properties, average blemish diameter [mm]
7,3	-48	0,44
base number TBN, mg KOH/g	flash point, °C	
–	202	



gear oil

### HIPOL® ATF II D

#### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	antiwear properties, average blemish diameter [mm]
7,26	–	0,45
base number TBN, mg KOH/g	flash point, °C	
–	208	

#### QUALITY CLASS:

GM Dexron® III G

#### MEETS REQUIREMENTS:

ZF TE-ML 03D, 04D, 14A, 17C; Voith – H55.6335xx (G607); Ford Mercon® Allison C-4; Mercedes-Benz 236.9; Hyundai/Mitsubishi SP-II

#### GENERAL FEATURES:

It is manufactured from special semi-synthetic technology and combined with a package of antioxidising, anticorrosive, lubrication-promoting and foaming resistant conditioners.

#### APPLICATION:

PLATINUM ATF III is designed for automatic transmissions in passenger cars, trucks and buses, for which the manufacturer recommends Dexron® III-type oil. It is also recommended for power steering devices, hydraulic clutches in passenger cars and trucks, as well as hydraulic systems requiring ATF-type oil. This oil can be used for Powershift transmissions in tractors and loaders for which the manufacturer recommends ATF oil.

#### QUALITY CLASS:

GM Dexron® II D

#### APPROVALS:

MAN 339 Type Z1, MAN 339 Type V1; ZF TE-ML 02F, 04D, 14A; Voith – H55.6335xx (G607)

#### MEETS REQUIREMENTS:

Dexron® II D; Allison C-4

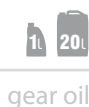
#### GENERAL FEATURES:

HIPOL® ATF II D is a mineral oil for automatic vehicle transmissions.

#### APPLICATION:

High-quality mineral oil - HIPOL® ATF II D is designed for automatic transmissions in passenger cars, trucks and buses, for which the manufacturer recommends Dexron® II D-type oil. HIPOL® ATF II D is also recommended for power steering devices, hydraulic clutches in passenger cars and trucks, as well as hydraulic systems requiring ATF oil.

# AUTOMATIC TRANSMISSION AND POWER STEERING OILS



gear oil

## QUALITY CLASS:

GM Dexron® II E

## APPROVALS:

ZF TE-ML 04D, 09X, 14B, 16L

## MEETS REQUIREMENTS:

Voith – H55.6335xx (G607)/H55.6336xx (G1363); GM Dexron® II E, Ford Mercon®, Allison C-4, Caterpillar TO-2, Ford M2C 138 CJ, Ford M2C 166-H

## HIPOL® ATF II E

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	antiwear properties, average blemish diameter [mm]
7,48	-48	0,4
base number TBN, mg KOH/g	flash point, °C	
–	204	

### GENERAL FEATURES:

Synthetic oil.

### APPLICATION:

HIPOL® ATF II E is designed for automatic transmissions in passenger cars, trucks and buses, for which the manufacturer recommends Dexron® II E-type oil. HIPOL® ATF II E is also recommended for power steering devices and hydraulic clutches in passenger cars and trucks, as well as hydraulic systems requiring ATF oil.



## AGRICULTURE, GARDENING AND FORESTRY OILS



engine oil

### PLATINUM AGRO SUPREME 10W-40

#### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100°C, mm <sup>2</sup> /s	pour point, °C	viscosity index
14,1	-41	140
base number TBN, mg KOH/g	flash point, °C	
10,1	240	



engine oil

### PLATINUM AGRO NOVO 15W-40

#### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100°C, mm <sup>2</sup> /s	pour point, °C	viscosity index
14,8	-31	135
base number TBN, mg KOH/g	flash point, °C	
8,0	231	

#### VISCOSITY GRADE:

SAE: 10W-40

#### QUALITY CLASS:

API: CI-4

ACEA: E4, E7

#### STANDARDS, APPROVALS, SPECIFICATIONS:

MAN 3277; MB-Approval 228.5; Volvo VDS-3; Renault VI RLD-2; Mack EO-N

#### MEETS REQUIREMENTS:

Mercedes-Benz 228.3; MTU Oil Type 2; MAN 3275; Volvo VDS-2

#### GENERAL FEATURES:

A semi-synthetic, multigrade UHPDO engine oil for Diesel engines with or without turbochargers. The oil is recommended for heavy duty agricultural tractors and machinery. It offers extended drain intervals, maximum engine power in extreme conditions, improved fuel economy, and soot deposition prevention.

#### APPLICATION:

PLATINUM AGRO SUPREME 10W-40 is a multigrade engine oil for the lubrication of Diesel engines with or without turbochargers. It is recommended for application in tractors, combine harvesters and other agricultural machinery, for which the manufacturer recommends oil of a viscosity grade and quality class as provided in the product description. It ensures effective engine lubrication even during continuous, extended operation in reverse mode. The oil is suitable for engines that are compliant with exhaust emission standards. It performs superbly in engines of agricultural machines working in large fields, at high loads, as well as those working on medium and small farms or for municipal services and vegetation treatment. The oil can be used for EPA Tier 2 and EPA Tier 1 compliant vehicles if it meets all requirements of the vehicle's manufacturer in terms of quality class and viscosity grade.

#### VISCOSITY GRADE:

SAE: 15W-40

#### QUALITY CLASS:

API: CJ-4/ CI-4 Plus/ CI-4; ACEA: E9, E7

#### STANDARDS, APPROVALS, SPECIFICATIONS:

MAN M3575; Volvo VDS-4; Renault RVI RLD-3; Mack EO-O Premium Plus; MB-Approval 228.31; Cummins CES 20081

#### MEETS REQUIREMENTS:

MTU Type 2.1; Caterpillar ECF-2, ECF-3; Detroit Diesel C 93K218; Global DHD-1; JASO DH-1,2; Zetor

#### GENERAL FEATURES:

High-quality, semi-synthetic, multigrade engine oil for the agricultural sector. Owing to the application of Mid SAPS technology during its development, this oil is classified as SHPD (Super High Performance Diesel). It offers excellent engine efficiency in all operating conditions, excellent viscosity and temperature parameters, reduced sulphur, phosphorus and sulphated ash content (MID SAPS), which provides unrivalled protection and extends the service life of DPF filters and other exhaust gas treatment units (EGR, SCR NOx), effective friction pair lubrication upon cold engine start-up and at low ambient temperatures. The oil also provides efficient piston and cylinder surface wear control and does not adversely affect engine sealings.

#### APPLICATION:

PLATINUM AGRO NOVO 15W-40 is recommended for a broad range of agricultural machines, e.g. tractors, combine harvesters and other agricultural machinery, for which the manufacturer recommends oil of a viscosity grade and quality class as provided in the product description. The oil is designed for heavy duty Diesel engines used in the fields with large and small loads. Suitable for engines that comply with exhaust emission standards. It offers excellent low-temperature (ground frost) start-up properties.





engine oil

## PLATINUM AGRO NEXT 15W-40

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100°C, mm <sup>2</sup> /s	pour point, °C	viscosity index
14,5	-30	135
base number TBN, mg KOH/g	flash point, °C	
11,0	229	



engine oil

## PLATINUM AGRO BASIC 15W-40

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100°C, mm <sup>2</sup> /s	pour point, °C	viscosity index
14,1	-38	132
base number TBN, mg KOH/g	flash point, °C	
10,2	216	

### VISCOSITY GRADE:

SAE: 15W-40

### QUALITY CLASS:

API: CI-4/CH-4/CG-4; ACEA: E7/ E5 /E3 /B4 /B3 /A3

### STANDARDS, APPROVALS, SPECIFICATIONS:

MB-Approval 228.3; MAN M 3275-1; Volvo VDS-3; Mack EO-N; Renault RVI RLD-2; Cummins CES 20078; MTU Type 2

### MEETS REQUIREMENTS:

Cummins CES 20071/72/75/76/77; Iveco; Deutz DQC-III-05; Detroit Diesel 7SE 270; Caterpillar ECF-1a

### GENERAL FEATURES:

Mineral, high-quality Diesel engine oil for different types of agricultural machinery. It offers fantastic Diesel engine performance during heavy duty operation. High-quality base oils combined with appropriately selected conditioners ensure effective engine lubrication in all operating conditions. The oil has no adverse effect on engine sealings and provides high foaming resistance, which ensures that the lubricating film is maintained even in extreme operating conditions. It also offers effective neutralisation of acidic combustion products, thus improving engine corrosion protection, reduced oil losses during operation and stable oil quality at high temperatures, as well as high shear resistance at high temperatures and heavy duty operation, which helps to maintain lubricating properties throughout the recommended drain interval.

### APPLICATION:

PLATINUM AGRO NEXT 15W-40 is designed for Diesel engines in agricultural machinery. It is suitable not only for tractor engines but also for a broad range of combine harvesters (cereals, potatoes, beet and others) and any other agricultural machinery for which the manufacturer recommends oil of a viscosity grade and quality class as provided in the product description. It offers excellent performance during heavy duty operation during various types of field work on both large and small farms. It provides effective engine lubrication even during ploughing at a higher speed, deep soil loosening or cultivation. It ensures easy cold start-up and good pumpability during ground frost in spring and autumn.

### VISCOSITY GRADE:

SAE: 15W-40

### QUALITY CLASS:

API: CH-4/CG-4

ACEA: E7/E5

### STANDARDS, APPROVALS, SPECIFICATIONS:

MAN 3275-1; MB-Approval 228.3; Deutz DQC-II-10

### MEETS REQUIREMENTS:

Volvo VDS-2; Renault RVI RD/RD-2; MTU Type 2; TATRA TDS 30/12; Iveco; Caterpillar ECF-1a

### GENERAL FEATURES:

Mineral, multigrade Diesel engine oil. Designed for the agricultural sector, dedicated to tractors and other field work machinery. High-quality base oils combined with an excellent package of conditioners ensure effective engine lubrication. The oil offers excellent engine efficiency in any working conditions, it keeps the engine effectively clean by maintaining pollutants in suspension. It also offers extended drain intervals and maximum engine power in extreme conditions.

### APPLICATION:

PLATINUM AGRO BASIC 15W-40 is designed for heavy duty Diesel engines in fields during spring, summer and autumn. It is designed for engines compliant with Euro V, IV and lower standards. It is recommended for application in tractors, combine harvesters and other agricultural machinery, for which the manufacturer recommends oil of a viscosity grade and quality class as provided in the product description.





universal oil

## PLATINUM AGRO STOU 10W-40

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100°C, mm <sup>2</sup> /s	pour point, °C	viscosity index
14,5	-44	152
base number TBN, mg KOH/g	flash point, °C	
10,9	216	

### VISCOSITY GRADE:

SAE: 10W-40

### QUALITY CLASS:

API: CG-4

API: GL-4

### MEETS REQUIREMENTS:

Massey Ferguson M1145, Massey Ferguson M1144; NH024C; Ford M2C 159B3, Ford M2C 159C3; John Deere J27; New Holland 82009203; John Deere J20C; Ford M2C134D; Case MS1205, Case MS1206, Case MS 1209; Allison C4; Caterpillar TO-2; ZF 06B, ZF 06C, ZF 07B, ZF 03A, ZF05K ZF 07D; MB 227.1, MB 228.1; CCMS D4; Sperry Vickers/Eaton: M2950S, Sperry Vickers/Eaton: I-280-S; Sauer Sunstrand/Danfoss: Hydro Static Trans Fluid; AFNOR NFE68603

### GENERAL FEATURES:

Universal, multigrade STOU (Super Tractor Oil Universal) engine, gear and hydraulic oil. Its excellent properties ensure failure-free operation of transmission and hydraulic systems as well as engines in various types of agricultural machinery.

### APPLICATION:

PLATINUM AGRO STOU 10W-40 is a universal oil recommended for the lubrication of engines, hydraulic systems and manual transmissions in agricultural machinery of various types and brands. It is suitable for wet braking systems, as well as Powershift and CVT transmission. It offers excellent lubricating and antiwear properties, good compatibility with sealings, system vibration dampening and high oxidation resistance.



universal oil

## PLATINUM AGRO UTTO 10W-30

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100°C, mm <sup>2</sup> /s	pour point, °C	viscosity index
14,1	-41	140
base number TBN, mg KOH/g	flash point, °C	
10,1	240	

### VISCOSITY GRADE:

SAE: 10W-30

### QUALITY CLASS:

API: GL-4

### MEETS REQUIREMENTS:

John Deere JDM J20C; Massey Ferguson CMS M1135, M1141, M1143; White Farm (AGCO) Q-186; Ford ESN M2C86-B, M2C86-C; Case New Holland MAT3525 (FNHA-2-C-201.00, M2C 134D), Case New Holland MAT 3505 (MS1209), Case MS 1206, 1207; Same; Landini; Deutz-Fahr Claas (except for Renault transmission); Fendt (except for Vario transmission); Komatsu; Kubota UDT; ZF TE-ML 03E, 05F, 17E; Parker Denison UTTO/ THF (tests on T6H20C, T5D, P46 pumps); Vickers 35VQ25; Caterpillar TO-2

### GENERAL FEATURES:

Universal, multigrade UTTO (Universal Tractor Transmission Oil) gear and hydraulic oil. Its excellent properties ensure failure-free operation of transmission and hydraulic systems in various types of agricultural machinery.

### APPLICATION:

PLATINUM AGRO UTTO 10W-30 is a universal oil recommended for the lubrication of various types of transmission systems (gearboxes, main transmissions, steering gears, differentials) and hydraulic systems used in agricultural machinery of various brands. Suitable for application in tractors, whose manual transmission, axles, hydraulic devices and wet brakes are lubricated by means of a single oil system. It offers excellent lubricating and antiwear properties, good compatibility with sealings, system vibration dampening and high oxidation resistance.



universal oil

## ORLEN OIL AGRO STOU 10W-40

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100°C, mm <sup>2</sup> /s	pour point, °C	viscosity index
14,4	-39	160
base number TBN, mg KOH/g	flash point, °C	
11,0	230	

### VISCOSITY GRADE:

SAE: 10W-40

### QUALITY CLASS:

API: CF-4/GL-4, ACEA: E2

ISO: HV

DIN: HVLP

### APPROVALS:

ZETOR Proxima, Proxima Plus, Proxima Power, Forterra

### MEETS REQUIREMENTS:

John Deere J 27; Massey Ferguson M1139, M1144; Ford M2C 159B, Ford 30/40 series, Allison C-4; Caterpillar TO-2, ZF TE-ML 06B, 06C, 07B Mercedes-Benz 227.1, 228.1; Perkins

### GENERAL FEATURES:

Universal, multi-purpose engine, transmission and hydraulic oil.

### APPLICATION:

ORLEN OIL AGRO STOU 10W-40 is designed primarily for agricultural machinery and lubrication of engines with different transmission types, clutches, wet brakes, as well as hydraulic systems. It is recommended for Limited Slip units..



universal oil

## ORLEN OIL AGRO STOU 10W-30

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100°C, mm <sup>2</sup> /s	pour point, °C	viscosity index
11,9	-39	166
base number TBN, mg KOH/g	flash point, °C	
10,8	211	

### VISCOSITY GRADE:

SAE: 10W-30

### QUALITY CLASS:

API: CF-4/GL-4, ACEA: E2

ISO: HV

DIN: HVLP

### MEETS REQUIREMENTS:

John Deere J 27; Massey Ferguson M1139, M1144; Ford M2C 159B, Ford 30/40 series, Allison C-4; Caterpillar TO-2, ZF TE-ML 06B, 06C, 07B Mercedes-Benz 227.1, 228.1; Perkins

### GENERAL FEATURES:

Universal, multigrade STOU (Super Tractor Oil Universal) engine, gear and hydraulic oil for agricultural machinery.

### APPLICATION:

ORLEN OIL AGRO STOU 10W-30 is designed for the lubrication of manual transmissions, for which the manufacturer recommends GL-4 oil. It is also designed for engines, wet brakes and hydraulic systems in tractors and other agricultural machinery. It is recommended for Limited Slip units.



universal oil

## VISCOSITY GRADE:

SAE: 10W-30

## QUALITY CLASS:

API: GL-4

## MEETS REQUIREMENTS:

Recommended for the following agricultural machines URSUS

Ford M2C 134D; Case New Holland MAT 3525, MAT 3526; John Deere JDM, J20C; Massey Ferguson CMS M1143, 1135, 1145; Volvo WB101

## ORLEN OIL AGRO UTTO 10W-30

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100°C, mm <sup>2</sup> /s	pour point, °C	viscosity index
10,2	-27	138
base number TBN, mg KOH/g	flash point, °C	
8,6	240	

## GENERAL FEATURES:

High-quality, universal hydraulic and transmission oil. Its new and unique formula of carefully selected mineral base oils and conditioners meets all contemporary design requirements of agricultural equipment manufacturers. The oil ensures excellent antiwear and anticorrosion protection, as well as compatibility with various sealing materials.

## APPLICATION:

ORLEN OIL AGRO UTTO 10W-30 is designed for the lubrication of various types of transmission systems used in agricultural machinery (gearboxes, main transmissions, steering gears, differentials) and heavy duty hydraulic systems, in compliance with agricultural vehicle manufacturers' requirements. It is suitable for application in tractors whose manual transmission, axles, hydraulic devices and wet brakes are lubricated by means of a single oil system.



AGRO hydraulic system oil

## VISCOSITY GRADE:

ISO VG: 46

## QUALITY CLASS:

wg ISO 11158 – HV

## MEETS REQUIREMENTS:

DIN 51524 part 3

## PLATINUM AGRO HV 46

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100°C, mm <sup>2</sup> /s	pour point, °C	viscosity index
47,0	-33	146
capacity to discharge air at 50°C	flash point, °C	
6 min	210	

## GENERAL FEATURES:

Hydraulic oil manufactured from high-quality mineral base oils combined with a package of conditioners. It is designed for application in various medium and heavy duty hydraulic systems of agricultural machinery and equipment.

## APPLICATION:

The hydraulic oil is designed for application in heavy duty drive trains, high-pressure fixed and variable displacement pumps and vane pumps, where high anti-wear oil parameters are required. It is also recommended for application in precision hydraulic steering systems and hydraulic systems where low viscosity change is required for temperature variations. It is particularly recommended for hydraulic systems in agricultural machinery and equipment. It offers extended service life, reduced wear on the surface of frictional components in hydraulic pump systems and it also works at a broad range of temperatures while maintaining optimum viscosity (high viscosity index > 140).



AGRO hydraulic system oil

**VISCOSITY GRADE:**  
ISO VG: 46, 68

**APPLICATION:**  
ORLEN OIL AGRO HL 46 i 68 are designed for application in various medium and low-duty hydraulic systems in agricultural, forestry and gardening machinery and equipment.

PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100°C, mm²/s		pour point, °C		viscosity index		flash point, °C	
46	44,9	-30		101		224	
68	69,9	-27		100		250	







gear oil

## PLATINUM AGRO LS 80W-90

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100°C, mm <sup>2</sup> /s	pour point, °C	viscosity index
14,8	-30	98
base number TBN, mg KOH/g	flash point, °C	
-	230	

### VISCOSITY GRADE:

SAE: 80W-90

### QUALITY CLASS:

API: GL-5

### APPROVALS:

ZF TE-ML 05C, 12C, 21C

### MEETS REQUIREMENTS:

MIL-L-2105D; MAN 342 M-1; Mercedes-Benz 235.0; Voith 3.325-339; Volvo 97310, Volvo 97316; Renault; ZF TE-ML 05A, 07A, 08, 16B, 16C, 16D, 16E, 17B, 19B, 21A; DAF

### GENERAL FEATURES:

High-quality mineral, year-round transmission oil dedicated to tractor, combine harvester and other agricultural machinery transmissions. It is particularly recommended for limited slip differentials.

### APPLICATION:

PLATINUM AGRO LS 80W-90 is a multigrade transmission oil recommended for manual transmissions in various types of heavy duty agricultural machinery. It is recommended for application in tractors, combine harvesters and other agricultural machinery, for which the manufacturer recommends oil of a viscosity grade and quality class as provided in the product description. It offers excellent thermal and oxidation stability, high load capacity, excellent lubricating and antiwear properties, as well as very good antifoaming properties.



gear oil

## AGRO 6 GL-4 80W

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100°C, mm <sup>2</sup> /s	pour point, °C	viscosity index
10,4	-30	98
base number TBN, mg KOH/g	flash point, °C	
-	237	

### VISCOSITY GRADE:

SAE: 80W

### QUALITY CLASS:

API: GL-4

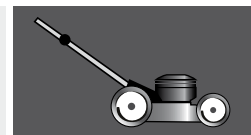
### GENERAL FEATURES:

Mineral oil.

### APPLICATION:

AGRO 6 80W is designed for the lubrication of agricultural tractor transmissions, both in summer and winter, in accordance with the tractor operating instructions. The oil can also be used for hydraulic systems in tractors and interacting equipment, e.g. front loaders, tipping trailers, etc.

# AGRICULTURE, GARDENING AND FORESTRY OILS



gear oil

## VISCOSITY GRADE:

SAE: 80W-90

## QUALITY CLASS:

API: GL-4

## GENERAL FEATURES:

Mineral, multigrade oil.

## APPLICATION:

AGRO GL-4 80W-90 is designed for motor vehicle transmissions, in particular in agricultural machinery and equipment.

## AGRO GL-4 80W-90

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100°C, mm <sup>2</sup> /s	pour point, °C	viscosity index
15,5	-27	104
base number TBN, mg KOH/g	flash point, °C	
—	235	



gardening and forestry oil

## VISCOSITY GRADE:

SAE: 30

## QUALITY CLASS:

API: SG/CD

## GENERAL FEATURES:

High-quality, single-grade oil, the quality of which is ensured by the appropriately chosen production technology, based on deeply refined mineral base oils and high quality conditioners. ORLEN OIL TRAWOL 30 has excellent service properties:

- it maintains a durable lubricating film while under heavy thermal and mechanical stress,
- ensures minimum consumption thanks to low evaporation loss,
- demonstrates very good oxidation resistance, which prevents the formation of so-called 'black sludge',
- prevents the build-up of high-temperature deposits,
- is fully mixable with other oils in the same viscosity grade and quality class.

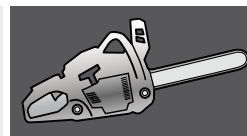
## APPLICATION:

ORLEN OIL TRAWOL 30 is a high-quality engine oil recommended for mowers, tillers, ploughs and other gardening equipment with four-stroke petrol engines, with or without catalytic converters.

## ORLEN OIL TRAWOL 30

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100°C, mm <sup>2</sup> /s	pour point, °C	viscosity index
9,5	-28	112
base number TBN, mg KOH/g	flash point, °C	
8,6	230	



garden and forestry oil

## ORLEN OIL TRAWOL 10W-30

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100°C, mm <sup>2</sup> /s	pour point, °C	viscosity index
10,5	-35	133
base number TBN, mg KOH/g	flash point, °C	
8,5	232	

### VISCOSITY GRADE:

SAE: 10W-30

### QUALITY CLASS:

API: SG/CD

### GENERAL FEATURES:

High-quality, multigrade oil, the quality of which is ensured by the appropriately selected production technology, based on deeply refined mineral base oils and high quality conditioners. ORLEN OIL TRAWOL 10W-30 has excellent service properties:

- it maintains a durable lubricating film while under heavy thermal and mechanical stress,
- ensures minimum consumption thanks to low evaporation loss,
- demonstrates very good oxidation resistance, which prevents the formation of so-called 'black sludge',
- prevents the build-up of high-temperature deposits,
- is fully mixable with other oils in the same viscosity grade and quality class.

### APPLICATION:

ORLEN OIL TRAWOL 10W-30 is a high-quality engine oil recommended for mowers, tillers, ploughs, snow blowers and other gardening equipment with four-stroke petrol engines, with or without catalytic converters.



garden and forestry oil

## ORLEN OIL TRAWOL 2T

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100°C, mm <sup>2</sup> /s	pour point, °C	viscosity index
9,7	-25	—
sulphated ash, % mm	flash point, °C	
0,17	104	

### QUALITY CLASS:

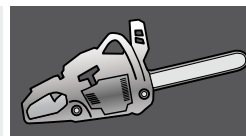
API: TC

### GENERAL FEATURES:

Semi-synthetic oil which easily mixes with fuel and ensures a high level of protection against varnish build-up, as well as very low smoke emissions in all operating conditions; it maintains a lubricating film that prevents wear at high revolutions and high temperatures.

### APPLICATION:

ORLEN OIL TRAWOL 2T is designed for all types of gardening equipment fitted with two-stroke engines. It is primarily used for mowers, saws, trimmers, etc. from manufacturers such as Husqvarna or Stihl. Dosing: as per the manufacturer's recommendations. 2% of the fuel volume /1:50/ unless otherwise recommended by the engine manufacturer.



garden and forestry oil

## PILAROL-EKO

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100°C, mm <sup>2</sup> /s	pour point, °C	viscosity index
63,1	-26	182
base number TBN, mg KOH/g	flash point, °C	
–	244	

### GENERAL FEATURES:

Multigrade, environmentally friendly oil with excellent service properties, based on refined vegetable oil and combined with a special package of conditioners. The application of vegetable oil as a base means that PILAROL EKO can be classified as an oil with high biodegradability - this oil scored 90% biodegradability in the CEC-L-33-T-82 test.

Careful selection of conditioners ensures good service properties:

- very good adhesion to the device's moving parts (the saw's cutting system),
- appropriate temperature parameters, which render it suitable for application at a broad range of temperatures,
- protects against corrosion and abrasive wear.

### APPLICATION:

PILAROL EKO is a high-quality oil for the lubrication of the cutting systems (chain) and guides of powered saws used in forestry and orcharding, etc. It can also be used for the lubrication of other machinery used for forest tree felling.



garden and forestry oil

## PILAROL (Z)

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100°C, mm <sup>2</sup> /s	pour point, °C	viscosity index
9,9	-31	95
base number TBN, mg KOH/g	flash point, °C	
–	238	

### GENERAL FEATURES:

Multigrade special oil with excellent service properties, based on deeply refined mineral oil and combined with a special package of conditioners, including: viscosifying-depressing conditioner and metal adhesion promoter. Careful selection of conditioners ensures good service properties, such as:

- very good adhesion to device's moving parts (saw's cutting system),
- excellent lubricating properties, even at low temperatures,
- appropriate temperature parameters, which render it suitable for application at a broad range of temperatures,
- protects against corrosion and abrasive wear.

### APPLICATION:

PILAROL EKO is designed for the lubrication of the cutting systems (chain) and guides of powered saws used in forestry and orcharding, etc. It can also be used for the lubrication of other machinery used for forest tree felling.





## UNIVERSAL AND VEHICLE HYDRAULIC SYSTEM OILS



universal oil

### PLATINUM MULTI STOU 10W-40

#### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100°C, mm <sup>2</sup> /s	pour point, °C	viscosity index
14,4	-45	153
base number TBN, mg KOH/g	flash point, °C	
10,9	216	

#### VISCOSITY GRADE:

SAE: 10W-40

#### QUALITY CLASS:

API: CG-4; API: GL-4

#### MEETS REQUIREMENTS:

Massey Ferguson M1145, Massey Ferguson M1144; New Holland NH024C; Ford M2C 159B3, Ford M2C 159C3; John Deere J27, John Deere J20C; New Holland 82009203; Ford M2C134D; Case MS1205, Case MS1206, Case MS 1209; Allison C4; Caterpillar TO-2; ZF 06B, ZF 06C, ZF 07B, ZF 03A, ZF05K ZF 07D; Mercedes-Benz 227.1, Mercedes-Benz 228.1; CCMS D4; AFNOR NFE68603E; Sperry Vickers/Eaton: M2950S, Sperry Vickers/Eaton: I-280-S; Sauer Sunstrand/Danfoss: Hydro Static Trans Fluid

#### GENERAL FEATURES:

PLATINUM MULTI STOU 10W-40 is a high-quality semi-synthetic Super Tractor Oil Universal oil. It demonstrates a very high level of engine protection in heavy duty operating conditions. Thanks to its carefully developed formula, it also provides superb lubrication for all types of manual transmissions, Powershift and CVT.

#### APPLICATION:

PLATINUM MULTI STOU 10W-40 is a universal oil which can be applied in machine engines, manual transmissions, Powershift, CVT. It can also be used for hydraulic systems and wet brakes.



universal oil

### PLATINUM MULTI UTTO 10W-30

#### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100°C, mm <sup>2</sup> /s	pour point, °C	viscosity index
11,0	-37	149
base number TBN, mg KOH/g	flash point, °C	
–	215	

#### VISCOSITY GRADE:

SAE: 10W-30

#### QUALITY CLASS:

API: GL-4, ISO: HV, DIN: HVLP

#### APPROVALS:

ZETOR Proxima Power, Forterra Power

#### MEETS REQUIREMENTS:

Suitable for tractors for which the following specifications are required: John Deere JDM J20C; Massey Ferguson CMS M1135, M1141, M1143; White Farm (AGCO) Q-186; Ford ESN M2C86-B, M2C86-C; CNH MAT3525 (FNHA-2-C-201.00, M2C 134D); CNH MAT 3505 (MS1209); Case MS 1206, 1207; Same; Landini; Deutz-Fahr Claas (except for Renault transmission); Fendt (except for Vario transmission); Komatsu; Kubota UDT; ZF TE-ML 03E, 05F, 17E; Parker Denison UTTO/THF (tests on T6H20C, T5D, P46 pumps); Vickers 35VQ25; Caterpillar TO-2

#### GENERAL FEATURES:

New-generation, universal, high-quality UTTO (Universal Tractor Transmission Oil) gear and hydraulic oil. Its new, advanced and unique formula of carefully selected mineral base oils and conditioners meets all contemporary service requirements of agricultural equipment manufacturers. It is marked by excellent lubricating, antiwear and anticorrosive properties that are a requirement for the heavy duty operation of contemporary transmission and hydraulic systems.

#### APPLICATION:

PLATINUM MULTI UTTO is designed for the lubrication of various types of transmission systems used in agricultural, construction and industrial machinery, (gearboxes, main transmissions, steering gears, differentials) as well as heavy duty hydraulic systems. in compliance with machinery and vehicle manufacturers' requirements. It should not be used for automatic transmission systems and passenger car engines.



universal oil

## PLATINUM MULTI PTF 10W

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
6,9	-34	120
base number TBN, mg KOH/g	flash point, °C	
–	240	

### VISCOSITY GRADE:

SAE: 10W

### MEETS REQUIREMENTS:

Komatsu Dresser HMS B21-0006; Komatsu Micro-Clutch  
Caterpillar TO-4; Allison C-4

### GENERAL FEATURES:

Single-grade, semi-synthetic oil which meets stringent Caterpillar TO-4 requirements. It demonstrates excellent antiwear properties, minimising transmission wear and ensuring quieter brake operation. It also shows very good compatibility with system sealing materials and very good oxidation resistance. Its high viscosity index ensures very good viscosity and temperature parameters. Thanks to the application of a synthetic base and a special selection of antioxidising, anticorrosive, lubrication-promoting and foaming resistant conditioners, this oil offers extended transmission and brakes service life.

### APPLICATION:

PLATINUM MULTI PTF 10W transmission and hydraulic oil is designed for heavy duty service in transmission systems, Powershift gearboxes, drivetrains and hydraulic systems in American construction machinery, tractors and loaders.



universal oil

## PLATINUM MULTI PTF 30

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
11,3	-27	94
base number TBN, mg KOH/g	flash point, °C	
–	250	

### VISCOSITY GRADE:

SAE: 30

### MEETS REQUIREMENTS:

Komatsu Dresser HMS B21-0006; Komatsu Micro-Clutch  
Caterpillar TO-4; Allison C-4

### GENERAL FEATURES:

Single-grade, mineral oil which meets stringent Caterpillar TO-4 requirements. It demonstrates excellent antiwear properties, minimising transmission wear and ensuring quieter brake operation. It also shows very good compatibility with system sealing materials and very good oxidation resistance. Thanks to a special selection of antioxidising, anticorrosive, lubrication-promoting and foaming resistant conditioners, this oil offers extended transmission and brakes service life.

### APPLICATION:

PLATINUM MULTI PTF 30 transmission and hydraulic oil is designed for heavy duty service in transmission systems, Powershift gearboxes, drivetrains and hydraulic systems in American construction machinery, tractors and loaders. This oil should be used during summer. It cannot be used as an engine oil.



vehicle hydraulic system oil

## BOXOL® 26

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
42,1	-42	150
base number TBN, mg KOH/g	flash point, °C	
–	>190	

**VISCOSITY GRADE:**  
ISO VG: 46

### GENERAL FEATURES:

It is obtained from a mineral base oil and a package of conditioners, including agents which improve its viscosity, as well as its temperature, lubricating, antifoaming, anticorrosion and antioxidising parameters. The number next to the oil's name indicates its kinematic viscosity at 50°C.

### APPLICATION:

BOXOL® 26 is designed for:

- heavy duty hydraulic systems in ,
- power steering mechanisms in cars,
- hydromechanical transmissions,
- manual transmissions,
- certain hydrokinetic systems.



vehicle hydraulic system oil

## AMORTYZOL® 15-WL 150

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	pour point, °C	viscosity index
4,11	-40	180
base number TBN, mg KOH/g	flash point, °C	
–	160	

**VISCOSITY GRADE:**  
ISO VG: 15

### GENERAL FEATURES:

Mineral oil.

### APPLICATION:

AMORTYZOL® 15-WL 150 is used in telescopic shock absorbers for the dampening of vibrations from car and other vehicle suspensions.

## GREASEN ŁT 4S2

### PHYSICAL AND CHEMICAL PARAMETERS:

cone penetration after compaction at 25 °C, mm/10	dropping point, °C	leakage tendencies (130 °C, 16h, 660 rpm)
285	200	1,2
lubricating properties, weld load, daN	water washout resistance at 79 °C	
200	3,5	

### STANDARDS, APPROVALS, SPECIFICATIONS:

**DIN 51 502: KP2K-30**

**ISO 6743-9: CCEA-2**

### GENERAL FEATURES:

Manufactured from mineral oil thickened with lithium hydroxystearate. This grease contains conditioners, especially anticorrosion, antioxidation and lubrication-promoting conditioners. GREASEN ŁT-4S2 is resistant to water. The grease service temperature range is:

- GREASEN ŁT-4S2: -30÷120 °C

### APPLICATION:

GREASEN ŁT-4S2 is designed for the lubrication of:

- automotive rolling-element bearings,
- cardan joints during installation,
- tendons and guides in machinery and other equipment components,
- sleeve type bearings working within the specified service temperature ranges.

## GREASEN ŁT 4S3

### PHYSICAL AND CHEMICAL PARAMETERS:

cone penetration after compaction at 25°C, mm/10	dropping point, °C	leakage tendencies (130 °C, 16h, 660 rpm)
248	200	1,1
lubricating properties, weld load, daN	water washout resistance at 79 °C	
200	2,8	

### STANDARDS, APPROVALS, SPECIFICATIONS:

**DIN 51 502: KP3N-20**

**ISO 6743-9: BDEA-3**

### GENERAL FEATURES:

Manufactured from mineral oil thickened with lithium hydroxystearate. This grease contains conditioners, especially anticorrosion, antioxidation and lubrication-promoting conditioners. GREASEN ŁT-4S3 is resistant to water. The grease service temperature range is:

- GREASEN ŁT-4S3: -20÷130 °C.

### APPLICATION:

GREASEN ŁT-4S3 is designed for the lubrication of:

- automotive rolling-element bearings,
- cardan joints during installation,
- tendons and guides in machinery and other equipment components,
- sleeve type bearings working within the specified service temperature ranges.

## GREASEN EP-23

### PHYSICAL AND CHEMICAL PARAMETERS:

cone penetration after compaction at 25°C, mm/10	dropping point, °C	oil separations, 100°C/30h, %
286	203	–
lubricating properties, weld load, kG	base oil viscosity at 40°C, mm²/s	
315	150	

### STANDARDS, APPROVALS, SPECIFICATIONS:

**DIN 51 502: KF2N-30**

**ISO 6743-9: CDEB-2**

### GENERAL FEATURES:

Comprehensive lithium grease with molybdenum disulfide (3%), which demonstrates resistance to humidity, water vapour, weak acids and bases as well as vibrations, high pressure and impact loads.

### APPLICATION:

GREASEN EP-23 is designed for the lubrication of heavy duty friction pairs operating at temperatures from -30°C to +140°C. It is recommended wherever there are frequent movement direction changes, or where there is a combination of low speeds and heavy loads, e.g. in homokinetic joints.





## GREASEN N-EP 00/000

### PHYSICAL AND CHEMICAL PARAMETERS:

cone penetration after compaction at 25 °C, mm/10	dropping point, °C	mechanical stability, 60 °C/4h, % [mm]
410	168	2,9
weld load, kG	water washout resistance at 38 °C, %	
–	–	

### STANDARDS, APPROVALS, SPECIFICATIONS:

DIN 51 502: KP00/000E-30

ISO 6743-9: EBEB-00/000

NLGI consistency number: 00/000

### GENERAL FEATURES:

GREASEN N-EP 00/000 is a semi-liquid grease based on lithium and calcium soaps with a consistency number of NLGI 00/000. It contains EP and AW conditioners, as well as conditioners that improve anticorrosive and antioxidising properties.

### APPLICATION:

GREASEN N-EP 00/000 is primarily designed for the lubrication of friction pairs in heavy commercial vehicles and buses using central lubrication systems at temperatures from - 30 °C to +90 °C. In the event of total loss lubrication, the upper limit is +120 °C.

## GREASEN S-EP 00/000

### PHYSICAL AND CHEMICAL PARAMETERS:

cone penetration after compaction at 25 °C, mm/10	dropping point, °C	mechanical stability, 60 °C/4h, % [mm]
460	170	2,7
weld load, kG	water washout resistance at 38 °C, %	
240	–	

### STANDARDS, APPROVALS, SPECIFICATIONS:

DIN 51 502: KP00/000E-45

ISO 6743-9: EBEB-00/000

NLGI consistency number: 00/000

### GENERAL FEATURES:

GREASEN S-EP 00/000 is a semi-liquid grease based on lithium and calcium soaps with a consistency number of NLGI 00/000. It contains EP and AW conditioners, as well as conditioners that improve anticorrosive and antioxidising properties.

### APPLICATION:

GREASEN S-EP 00/000 is primarily designed for the lubrication of friction pairs in heavy commercial vehicles and buses using central lubrication systems at temperatures from - 45 °C to +90 °C. In the event of total loss lubrication, the upper limit is +120 °C.

## GREASEN STP

### PHYSICAL AND CHEMICAL PARAMETERS:

cone penetration after compaction at 25 °C, mm/10	dropping point, °C	oil separations, 100 °C/30h
330	105	–
lubricating properties, weld load, daN	water washout resistance at 38 °C, %	
–	–	

### STANDARDS, APPROVALS, SPECIFICATIONS:

DIN 51 502: M1C-20

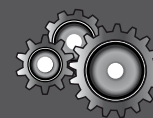
ISO 6743-9: BAEA-1

### GENERAL FEATURES:

Calcium grease with consistency grade 1. The oil base is a mineral oil with viscosity in the range of 36-60 mm<sup>2</sup>/s at 50 °C.

### APPLICATION:

GREASEN STP is designed exclusively for the periodic lubrication of vehicle undercarriages, pins, joints and guides with a practical service temperature range from -20 °C to +60 °C. The soft consistency of the grease facilitates the application of lubricating systems such as pneumatic lubricators. It is resistant to cold water. GREASEN STP is not suitable for the lubrication of rolling-element bearings and water pumps.



## GREASEN GRAFIT

### PHYSICAL AND CHEMICAL PARAMETERS:

cone penetration after compaction at 25 °C, mm/10	dropping point, °C	oil separations (structural stability), %
270	85	3,0
lubricating properties, weld load, daN	water content, %	
–	2,0	

### STANDARDS, APPROVALS, SPECIFICATIONS:

DIN 51 502: KF2C-20

ISO 6743-9: BAGB-2

### GENERAL FEATURES:

Calcium grease based on a mineral oil base that has a viscosity of about 11 mm<sup>2</sup>/s at 100 °C and contains at least 10 % natural graphite.

### APPLICATION:

GREASEN GRAFIT is recommended for the lubrication of: automotive springs, truck fifth wheel couplings, open toothed gears, worm gears, threads of corner bolts exposed to corrosion, chains and other heavily loaded friction pairs working within the temperature range from -20 °C to +60 °C. It can be used as a typical, general-purpose grease. It is resistant to cold water. It is not suitable for the lubrication of any car components other than strings. It should not be used for rolling-element bearings or other precision mechanisms.

## LITEN ŁT-4P

### universal plastic greases

### ŁT-4P1, ŁT-4P2, ŁT-4P3

### PHYSICAL AND CHEMICAL PARAMETERS:

	cone penetration after compaction at 25 °C, mm/10	dropping point, °C	oil separations, 100 °C/24h, %	weld load, daN
ŁT-4P1	330	182	–	160
ŁT-4P2	285	190	2	178
ŁT-4P3	240	189	4	180

### STANDARDS, APPROVALS, SPECIFICATIONS:

Liten ŁT-4P 1 DIN 51 502: KP1N-30; ISO 6743-9: CDHA-1

Liten ŁT-4P 2 DIN 51 502: KP2N-30; ISO 6743-9: CDHA-2

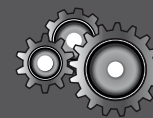
Liten ŁT-4P 3 DIN 51 502: KP3N-30; ISO 6743-9: CDHA-3

### GENERAL FEATURES:

Plastic greases are obtained from the compaction of highly-refined mineral oil with 12 hydroxystearate acid lithium soap. LITEN ŁT-4P greases contain anticorrosion, antioxidation and lubrication-promoting conditioners. These are universal, high-quality greases.

### APPLICATION:

LITEN ŁT-4P greases are manufactured in three consistency grades: 1, 2 and 3. They are used for the lubrication of rolling-element bearings operating within the service temperature range from -30 °C to +150 °C, where high values of the following parameters are required: oxidation resistance, corrosion resistance, water resistance and mechanical stability. LITEN ŁT-4P greases can also be used for sleeve-type bearings.



## SMAROL UNIWERSALNY EKO

SUSTAINABLE, UNIVERSAL PLASTIC GREASE

### PHYSICAL AND CHEMICAL PARAMETERS:

cone penetration after compaction at 25 °C, mm/10	dropping point, °C	oil separations, 100 °C/24h, %
251	192	4,1
weld load, kG	copper corrosion, 100 °C/24h	colour
200	resistant	green

### STANDARDS, APPROVALS, SPECIFICATIONS:

DIN 51 502: K2/3K-30

ISO 6743-9: CCHA-2/3

klasa konsystencji: NLGI 2/3

colour: green

### GENERAL FEATURES:

SMAROL UNIWERSALNY EKO plastic grease is obtained through the compaction of a mixture of highly-refined base oil and biodegradable oil with lithium soap. This grease also contains anticorrosion, antioxidation and lubrication-promoting conditioners.

### APPLICATION:

SMAROL UNIWERSALNY EKO is designed for application within a broad service temperature range, from - 30 °C to + 140 °C, and offers excellent lubrication even in the heaviest operating conditions. The universal SMAROL UNIWERSALNY EKO can also be used at home, in workshops and on agricultural farms for the lubrication of:

- hinges, locks, threads,
- chains, gears,
- rolling-element and sleeve-type bearings,
- vehicle and, industrial and agricultural machinery components.

Reduces wear and friction and offers resistance to humidity.



## SMAROL PTFE



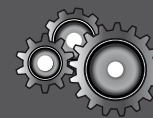
### GENERAL FEATURES:

SMAROL PTFE - is a special grease marked by strong adhesion and good penetration. It is designed for the lubrication of corner machine parts exposed to high temperatures or significant water leaks. After application and drying, it leaves a protective oil film on the lubricated elements, which provides very good protection against oxidation and therefore improves resistance to aging. It is resistant to water, water vapour and aggressive liquids (most acids and lyes).

### APPLICATION:

Apart from individual applications, it can also be used in the textile and ceramic industry, in glass and brick works, casting facilities and metal processing plants, sewage treatment plants, power plants, rolling plants, as well as in ports and shipyards, to lubricate the following: sleeve type and articulated bearings, chains - including those provided with O-Ring or X-Ring rings, roller chains, sprockets, levers, slide guides, linear slide systems, stems, hinges, steel ropes, ball joints, conveyors working in ovens and dryers.





## SMAROL NANO FOR MOWERS AND TRIMMERS

### PHYSICAL AND CHEMICAL PARAMETERS:

cone penetration after compaction at 25 °C, mm/10	dropping point, °C	water washout resistance at 79 °C, %
281	232	1
weld load, kG	Plenum diameter, 40 kG, 1h, mm	colour:
500	0,5	silver-black

### STANDARDS, APPROVALS, SPECIFICATIONS:

DIN 51 502: KF2N-30

ISO 6743-9: CEDB-2

consistency number: NLGI 2

colour: silver-black

### GENERAL FEATURES:

SMAROL NANO grease for saws and trimmers is designed for the lubrication of angular gears in Diesel-powered mowers and trimmers. This grease is manufactured from high-quality base oil compacted with comprehensive lithium soaps. The grease also contains anticorrosion and EP conditioners. Thanks to the compacting agent, the grease has a very high dropping point and high mechanical stability. The grease is resistant to corrosion, oxidation and water washout. It is based on a unique NANO formula, and as a result the grease superbly adheres to lubricated surfaces, establishing a layer which is resistant to heavy stress, humidity, acids, bases and very high temperatures. Using a substance with a friction index of less than 0.03 offers very good anti-seizing properties.

### APPLICATION:

SMAROL NANO grease for saws and trimmers is designed for the lubrication of angular gears in Diesel-powered and electrical mowers and trimmers. It can also be used at home, in workshops or on agricultural farms to lubricate hinges, locks, threads and vehicle and machinery components, as well as protect them against corrosion. SMAROL NANO grease for mowers and trimmers is designed to be applied within the service temperature range from -30 °C to +160 °C, and up to 500 °C in dry conditions. SMAROL NANO grease for mowers and trimmers reduces wear and frictional resistance thanks to very high weld load parameters -500 kG, and a very small blemish diameter - 0.5 mm.





## PLATINUM IMPACT PŁYN DO CHŁODNIC

### PHYSICAL AND CHEMICAL PARAMETERS:

crystallisation point, °C	colour	pH
-35,5	blue	8,3
boiling point, °C	tendency to foam, foam volume / foam disappearance time [ml] / [s]	
108,2	15,2	

## PETRYGO Q CAR COOLANT

### PHYSICAL AND CHEMICAL PARAMETERS:

density at 20 °C g/ml	crystallisation point °C	pH	boiling point °C
1,072	-37	8,0	105

### GENERAL FEATURES:

PLATINUM IMPACT coolant can be used for petrol and Diesel engine cooling systems fitted with aluminium, cast-iron or mixed cooling systems. The coolant has protective anticorrosive and antifoaming properties and is marked by excellent service properties in the case of aluminium and other radiators, ensuring excellent engine protection even at -35 °C. Miscible with other ethylene glycol-based coolants.

### GENERAL FEATURES:

Low-freezing, multigrade, ethylene glycol-based coolant. It contains conditioners such as: corrosion inhibitors, alkaline reserve stabilisers and antifoaming agents. Thanks to these additives, PETRYGO Q is marked by a high level of corrosion protection in cooling system components.

### APPLICATION:

PETRYGO Q is designed for the cooling of car radiators. It is also designed for aluminium radiators.



## DOT-3, DOT-4, DOT-5.1 BRAKE FLUID

### PHYSICAL AND CHEMICAL PARAMETERS:

	kinematic viscosity at 100 °C mm²/s	colour	pH	boiling point °C
DOT-3	min.1,5	colourless to yellow	7,0 - 11,0	min. 205
DOT-4	min.1,5	colourless to yellow	7,0 - 11,0	min. 230
DOT-5.1	min.1,5	colourless to yellow	7,0 - 11,0	min. 260

### APPROVALS:

DOT-3 and DOT-4 BRAKE FLUIDs have the ITS certificate of conformity, as well as a certificate that allows the products to be marked with the "B" safety sign.

### MEET STANDARD REQUIREMENTS:

PN-C-40005; FMVSS Nr 116; ISO 4925; SAE J 1703

### GENERAL FEATURES:

Brake fluids based on alkyl ethers, ethylene glycols, boron esters, polypropylene glycols, combined with functional additives.

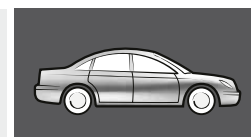
### APPLICATION:

**DOT-3** is designed for application in cars with medium-duty braking and clutch systems.

**DOT-4** is designed for application in cars with heavy duty braking and clutch systems.

**DOT-5.1** is a new generation brake fluid with excellent service properties, with a boiling point above 260 °C.

# SERVICE FLUIDS



## R3 BRAKE FLUID

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	colour	pH
min. 1,5	green	7,00 - 11,0
boiling point, °C	water-bearing fluid boiling point, °C	
min. 205	min. 140	

### STANDARDS, APPROVALS, SPECIFICATIONS:

R-3 complies with PN-C-40005, FMVSS Nr 116 (DOT-3), ISO 4925, SAE J 1703 and is fully substitutable and mixable with DOT-3.

### GENERAL FEATURES:

ORLEN OIL brake fluids are based on alkyl ethers, ethylene glycols, boron esters and polypropylene glycols and combined with functional additives.

### APPLICATION:

It is designed for hydraulic braking systems and clutch systems in passenger cars, trucks, buses, trailers, motorcycles, battery trucks, etc. in accordance with those vehicles' operating instructions.



## HYDRAULIC SYSTEM FLUID DA-1

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 100 °C, mm <sup>2</sup> /s	colour	pH	boiling point, °C
–	from light yellow to orange	–	115

### GENERAL FEATURES:

Hydraulic fluid that is a mixture of lubricants, anticorrosion agents and organic solvents.

### APPLICATION:

DA-1 hydraulic fluid is designed for application in hydraulic systems in machinery and agricultural and construction equipment. It provides effective and durable anticorrosive action for metal parts, system sealings and rubber seal expansions.

## UNIKAT +

### PHYSICAL AND CHEMICAL PARAMETERS:

kinematic viscosity at 20 °C mm <sup>2</sup> /s	potassium content (can be tested in a thinned solution :1ml "Unikat +" 1 litre of 95-octane petrol) ppm	pH in thinned product:1 ml "Unikat +" 1 litre 95-octane petrol pH
13,0	8,0	neutral

### GENERAL FEATURES:

UNIKAT + is an additive to 95-octane lead-free petrol, manufactured on the basis of a light petroleum solvent and a package of potassium additives.

### APPLICATION:

The UNIKAT + potassium additive is designed for application in combination with unleaded petrol in cars which were previously run on universal petrol. This formulation provides protection against the wear of non-hardened valve seats.

## PLATINUM IMPACT

### UNIVERSAL CLEANING AGENT



#### GENERAL FEATURES:

Active foam agent with multiple applications. It has strong antistatic properties. It can be used to clean car windows, lamps, plastic components, vinyl upholstery, door upholstery, wheel caps, travel trailers, boots, etc. It can also be applied in homes and offices to clean glass and glazed surfaces, computer equipment, phones, office furniture, PVC flooring, carpeting, ceramic tiles, kitchen tops, plastic joinery, siding, garden furniture, mowers, etc.

## PLATINUM IMPACT

### COCKPIT SPRAY



#### GENERAL FEATURES:

Maintenance agent for dashboard and cockpit plastic components. Cleans, shines, regenerates, leaves a pleasant smell, protects against quick staining and dust deposition, impregnates. It can be used for exterior car components made of plastics or rubber.

## PLATINUM IMPACT

### WINDOW DE-ICER



#### GENERAL FEATURES:

Windshield de-icer quickly removes ice and white frost from external and internal surfaces of car windows, lamps, mirrors, wiper blades, locks and handles.

## PLATINUM IMPACT

### LOCK DE-ICER



#### GENERAL FEATURES:

Quickly and effectively de-ices car locks, hinges and all other mechanisms exposed to low temperatures. Lubricates and protects mechanisms against re-freezing.

## PLATINUM IMPACT

### PENETROL 2000



#### GENERAL FEATURES:

Multipurpose workshop agent. Specialist agent with a broad range of applications. Penetrates into corroded and seized objects; loosens, lubricates and maintains; dissolves rust and deposits.

## PLATINUM IMPACT

### WINDOW CLEANER



#### GENERAL FEATURES:

Active foam agent which effectively cleans all glass windows, leaving shiny surfaces without smudges or water stains. Used for car windows, lamps and mirrors. Its new formula removes light reflexes and gleaming. Easily removes insects from cleaned surfaces.

## PLATINUM IMPACT

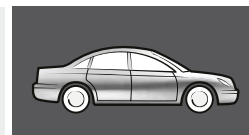
### UPHOLSTERY FOAM



#### GENERAL FEATURES:

Active foam for cleaning upholstery, carpeting and any other textile surfaces. Removes grease, oil and organic substance stains. Leaves a refreshing, pleasant scent. Protects the surface against re-deposition of dirt and dust.

# CAR MAINTENANCE PRODUCTS



## PLATINUM IMPACT SILICONE SEALANT



### GENERAL FEATURES:

Seal maintenance agent. Protects rubber seals in doors, the boot, the engine cover and roof luggage racks against freezing, hardening and breaking.

## PLATINUM IMPACT SHAMPOO WITH WAX



### GENERAL FEATURES:

Easily removes dirt, protects and shines. Neutral to paint and rubber seals. Highly efficient, lemon.

## PLATINUM IMPACT WAX MILK



### GENERAL FEATURES:

Cleans, shines, maintains and protects. Recommended for standard and metallic paints. Does not require tedious polishing. Removes dirt and small rust deposits.

## PLATINUM IMPACT INSECT REMOVAL FLUID



### GENERAL FEATURES:

Active foam agent removes dry insect residue from painted surfaces, bumpers, spoilers, windows and lamps. Demonstrates efficient action where conventional cleaning agents fail. Safe for paint, plastic and rubber materials.

## PLATINUM IMPACT RIM CLEANING AGENT



### GENERAL FEATURES:

The agent is designed for cleaning aluminium and steel rims of passenger cars, trucks and motorcycles. The agent quickly and effectively removes any road dirt, dust from brake pads, oil stains and rubber marks. Special additives protect cleaned surfaces against corrosion and adverse effects of salt and sand. It does not contain acids and is therefore safe for rims and wheel mounting bolts. Recommended for steel and aluminium rims. Not to be used on painted plastic covers or other plastic components. Application method: Remove dirt and loose staining from the cleaned surface. Apply the agent to the rim. Rinse the rim with clean water after 1-2 minutes. Repeat where necessary. Heavy stains should be removed with a brush. Note: Before use, test it on a small area of the rim's surface. The product does not have an expiry date.

## PLATINUM IMPACT TYRE SHINING AGENT



### GENERAL FEATURES:

Tyre maintenance agent, which, thanks to a special selection of silicone polymers, provides superb maintenance and protection for rubber against weather factors, moisture, salt and UV radiation. This agent gives a deep shine to tyres, restoring their natural colour and forming a layer which protects tyres against matting and cracks. Application method: Clean the protected surfaces before use and apply a layer of the agent. Remove any excess with a clean cloth or a paper towel.





**ORLEN OIL**





**ORLEN OIL**

**ORLEN OIL Sp. z o.o.**

ul. Opolska 100

31-323 Kraków

tel. (012) 66 555 00

fax (012) 66 555 01

**customer service line: 0 801 102 103**

► [www.orlenoil.com](http://www.orlenoil.com)

