



 **2020**  
CATALOGUE

**LUBRICANTS &  
SPECIAL PRODUCTS**



## ORDERS

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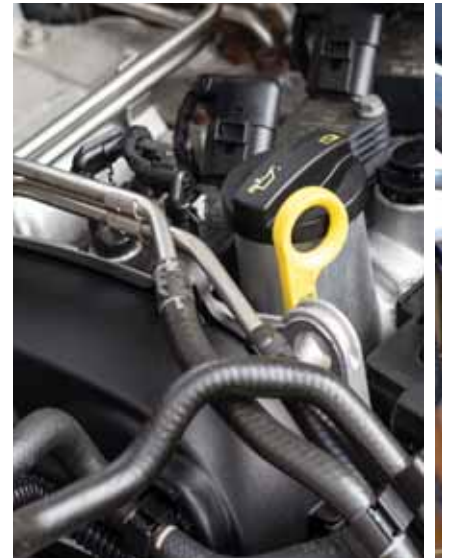
## **TriboACT® FORMULA**

TriboACT® Formula is based on an innovative additives “system” which, due to the different polarity of its components, activates strong chemical interactions, hence enhancing to the fullest the protection that the lubricant provides to the engine.

The strong and synergistic action of the components of TriboACT® Formula enhances the most important tribological characteristics of the lubricant:

- The consistency of the lubricating film in boundary lubrication conditions,
- Wear control in piston areas and springs,
- The clean-ability of the oil in the turbocharger area, and
- Fuel savings

TriboACT® Formula stands for technological superiority and innovation in lubrication. Cyclon lubricants blended with TriboACT® provide extremely high levels of wear protection, engine durability and fuel economy.







MAGMA



## PASSENGER CAR & LIGHT DUTY VEHICLE ENGINE LUBRICANTS

(PCMO)

MAGMA engine oils are the result of our latest research and development efforts, stemming from our 35 years of hands-on experience in formulating, testing and blending superior technology lubricant products for the real world; high added-value passenger and light duty commercial lubricants that exceed the performance challenges of the world's leading car manufacturers, as these are shaped by their customers' (i.e. the drivers') current needs: fuel economy, wear minimization & turbocharger protection.

In particular, MAGMA lubricants will provide up to **3.5%** additional fuel economy benefits\*, while they will enhance the offered engine protection from wear to a percentage up to **68%**.

**MAGMA engine oils – manufactured in the EU for the real world – stand for complete engine protection and optimal performance.**

\*As demonstrated in M111 Fuel Economy test for MAGMA SYN FD 5W-20.









MAGMA

# PASSENGER CAR & LIGHT DUTY VEHICLE ENGINE LUBRICANTS



## MAGMA SYN V1

Premium quality fully synthetic motor oil of low SAPS technology, specifically formulated for vehicles of the Volkswagen Group requiring a 504.00/507.00 specification. It ensures quick oil circulation, excellent protection against wear and cleanliness of the engine. It minimizes the 'cold start' response time and oil consumption, meets the latest environmental standards and optimises the DPF performance. It is recommended for use in modern VW, Audi, Seat and Skoda gasoline and diesel engines with WIV system for extra-long drain intervals up to 30.000 km (or 2 years). Also suitable for use where an ACEA C2 oil is required. It is backwards compatible with previous VW oil standards 502.00, 505.00, 505.01, 503.00, 503.01, 506.00 or 506.01 (except pre-2006 R5 and V10 engines). It is, also, ideal for BMW and Mercedes Benz vehicles and suitable for engines requiring an oil of API SN or SM performance level.

SAE 0W-30

ACEA C3; VW 504.00, 507.00, TL 52545; Porsche C30

Level: API SN; MB 229.51; BMW LongLife-04; FIAT 9.55535.GS1, 9.55535.DS1

SAE 5W-30

VW 504.00/507.00 (approved); API SN (approved); ACEA C3; MB 229.51, MB 229.31; BMW LongLife-04; Porsche C30

Level: ACEA C2

CODE	GRADE /SAE	PACKAGING
JM00901	0W-30	208L
JM00908	0W-30	4 x 4L
JM00909	0W-30	12 x 1L
JM01001	5W-30	208L
JM01002	5W-30	60L
JM01004	5W-30	20L (PAIL)
JM01007	5W-30	4 x 5L
JM01008	5W-30	4 x 4L
JM01009	5W-30	12 x 1L



## MAGMA SYN PSA

Fully synthetic, low SAPS motor oil for modern passenger cars and light commercial vehicles with or without extended service intervals. Specially developed for Peugeot and Citroen (PSA) turbocharged vehicles with exhaust after-treatment systems following PSA B71 2290 specification requirements. It provides optimum cold starting, lower oil consumption, increased fuel savings (FE≥2.5%) and enhanced sludge and deposit reduction. It is, also, suitable for use in Toyota and FIAT diesel engines requiring a quality oil of ACEA C2 level and for other passenger cars where ACEA A5/B5 or API SN are sought.

ACEA C2, A5/B5; API SN; PSA B71 2290

Level: Fiat 9.55535.S1

Meets: Honda, Toyota

CODE	GRADE /SAE	PACKAGING
JM03001	5W-30	208L
JM03004	5W-30	20L (PAIL)
JM03007	5W-30	4 x 5L
JM03008	5W-30	4 x 4L
JM03009	5W-30	12 x 1L



## MAGMA SYN RNL

A premium, fully synthetic SAE 5W-30 engine oil manufactured using the latest advances in low SAPS additive technology. Tailored to meet engine manufacturers' strict requirements, (e.g. the demanding Renault RN0720 requirements), it provides extremely high levels of protection and cleanliness, improved fuel economy benefits and long drain interval capability. Particularly recommended for Renault Group diesel engines with DPF requiring a RN0720 specification lubricant, it is, also, suitable for use in applications requiring an ACEA C4 level engine oil and Mercedes-Benz models fitted with a Renault diesel engine.

ACEA C4; Renault RN 0720; MB 226.51

Meets: Dacia, Nissan, Suzuki

CODE	GRADE /SAE	PACKAGING
JM02501	5W-30	208L
JM02504	5W-30	20L (PAIL)
JM02507	5W-30	4 x 5L
JM02508	5W-30	4 x 4L
JM02509	5W-30	12 x 1L



## MAGMA SYN DXS

Top-tier, low SAPS fully synthetic motor oil designed for Euro 4, 5 & 6 compliant gasoline and diesel engines fitted with diesel particulate filters (DPF), direct injection (DI) and turbocharger. It ensures optimum cold starting, exceptional wear protection and 2.5% fuel economy savings. It is particularly suitable for GM cars demanding dexos2™, engines where GM-LL-B-025 and GM-LL-A-025 oils are recommended and Mercedes Benz BlueTec Diesel engines with SCR post-treatment system demanding a MB 229.52 quality oil. It is intended for use in numerous OEMs such as FIAT, Hyundai/KIA, Ssangyong and Suzuki requiring ACEA C3 or C2 lubricants for extended drain intervals. It satisfies VW's 505.01 specification for diesel engines equipped with low pressure pump injector units (PD).

API SN (approved), CF; ACEA C2, C3; VW 505.00/505.01 (approved); MB-Approval 229.51, MB-Approval 229.52; GM dexos2™ (License No.: D20280HC162)

Level: VW 502.00

CODE	GRADE /SAE	PACKAGING
JM01501	5W-30	208L
JM01502	5W-30	60L
JM01504	5W-30	20L (PAIL)
JM01507	5W-30	4 x 5L
JM01508	5W-30	4 x 4L
JM01509	5W-30	12 x 1L



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CYCLON QUALITY



## MAGMA SYN TDI

High performance, fully synthetic lubricant based on low SAPS technology, designed for new-generation passenger cars powered by DI turbo diesel or gasoline engines of Euro 4, 5 & 6 emission standards requiring an ACEA C3 engine oil. It is fully compatible with catalytic converters and diesel particulate filters (DPF). Effective anti-wear additives guarantee reliable protection against engine wear and bore polishing. It is particularly applicable for use in high-power gasoline engines, as well as diesel engines of GM (demanding dexos2™), Mercedes Benz (MB 229.51), Volkswagen Group (VW 502.00/505.00/505.01 specifications), BMW (for extended drain intervals) and Porsche, or where SAE 5W-40 oils of ACEA C3 and API SN (or earlier specifications) quality level are recommended.

**API SN (approved), CF; ACEA C3; VW 505.01; MB 229.51, MB 229.31; BMW LongLife-04; GM dexos2™; Porsche A40**  
**Level: VW 502.00; FIAT 9.55535.S2; Ford WSS M2C-917A**

CODE	GRADE /SAE	PACKAGING
JM02001	5W-40	208L
JM02002	5W-40	60L
JM02004	5W-40	20L (PAIL)
JM02007	5W-40	4 x 5L
JM02008	5W-40	4 x 4L
JM02009	5W-40	12 x 1L



## MAGMA SYN FD

Fully synthetic, extreme fuel economy oil for gasoline-powered passenger and light duty vehicles. Formulated with a very high quality detergent/dispersant additive package, it minimises friction, wear and fuel consumption. It provides for very quick lubrication, excellent "cold start" characteristics, increased drain intervals and a significant fuel saving (FE>of 3,0%) benefit, in addition to the well-sought emissions control (NOx, HC and CO, in particular). Designed with the latest generation Euro 5 Ford EcoBoost engines in mind, it is, also, suitable (backwards compatible) for engines requiring WSS-M2C913-B/C or 925-B oils, as well as for Jaguar, Land Rover and Chrysler/Jeep gasoline engines following Ford specifications (Note: It is NOT suitable for Ford Ka, ST & RS models). It is well-suited for LPG and Euro 5 generation diesel engines requiring a low viscosity ACEA A1/B1 oil.

**API SN (approved); ACEA C5; Ford WSS M2C-948B; Jaguar-Land Rover STJLR.03.5004**  
**Level: ACEA A1/B1**

CODE	GRADE /SAE	PACKAGING
JM00502	5W-20	60 L
JM00507	5W-20	4 x 5L
JM00508	5W-20	4 x 4L
JM00509	5W-20	12 x 1L



## MAGMA SYN ULTRA-S

CYCLON MAGMA SYN ULTRA-S is a fully synthetic, advanced fuel economy, low viscosity motor oil, engineered with TriboACT® Formula. It offers maximum performance and wear protection under the most extreme service conditions. Due to its 100% synthetic nature and optimally balanced additive package, it will retain its viscosity and protect gasoline-powered vehicles in situations where more conventional motor oils would be inadequate, e.g. during very cold start environments.

**SAE 0W-20**  
**API SN-RC; ILSAC GF-5; GM dexos1™; Ford WSS M2C-947A**  
**Meets: Toyota, Lexus, Honda, Nissan, Subaru, Chrysler**

**SAE 5W-20**  
**API SN-RC; ILSAC GF-5; GM dexos1™; Ford WSS M2C-945A**

**SAE 5W-30**  
**API SN; ILSAC GF-5, GM dexos1™ Gen 2; Ford WSS M2C-946A, WSS M2C-946B1**  
**Meets: Chrysler MS-6395; Honda HTO-06**

CODE	GRADE /SAE	PACKAGING
JM04701	0W-20	208L
JM04708	0W-20	4 x 4L
JM04709	0W-20	12 x 1L
JM04801	5W-20	208L
JM04808	5W-20	4 x 4L
JM04809	5W-20	12 x 1L
JM04901	5W-30	208L
JM04908	5W-30	4 x 4L
JM04909	5W-30	12 x 1L



## MAGMA SYN ULTRA

Premium quality and very high performance, synthetic motor oils formulated with an advanced additive system with potential for extended oil drain intervals. They provide for ultimate protection and cleanliness of the engine, viscosity stability for superb high temperature performance, exceptional cold start protection and reduced oil consumption. They are intended for new technology four-stroke, gasoline-/diesel-/LPG-powered engines (incl. those equipped with direct injection, common rail, turbochargers and intercooler) of passengers cars and light duty commercial vehicles. Suitable for extended service intervals or/and severe operating conditions.

**0W-40**  
**API SN; ACEA A3/B3, A3/B4; VW 502.00, 505.00; MB 229.5, MB 226.5; Porsche A40, Renault RN 0700, RN 0710**  
**Level: FIAT 9.55535.Z2, 9.55535.M2**  
**Meets: Nissan**

**5W-30**  
**API SL, CF; ACEA A3/B4; VW 502.00, 505.00; MB 229.5; Renault RN 0710, RN 0700**  
**Level: API SN; MB 229.3; BMW LongLife-01; FIAT 9.55535.G1; GM LL-B-025, LL-A-025**

**5W-40**  
**API SN (approved), SM, CF; ACEA A3/B4; MB-Approval 229.5, GM LL-B-025; VW 502.00/505.00 (approved); Renault RN 0700, RN 0710; Porsche A40; BMW LongLife-01; PSA B71 2296**  
**Level: FIAT 9.55535.H2, 9.55535.M2, 9.55535.N2, 9.55535.Z2**

CODE	GRADE /SAE	PACKAGING
JM03301	0W-40	208L
JM03308	0W-40	4 x 4L
JM03309	0W-40	12 x 1L
JM03501	5W-30	208L
JM03502	5W-30	60L
JM03504	5W-30	20L (PAIL)
JM03507	5W-30	4 x 5L
JM03508	5W-30	4 x 4L
JM03509	5W-30	12 x 1L
JM04001	5W-40	208L
JM04002	5W-40	60L
JM04004	5W-40	20L (PAIL)
JM04007	5W-40	4 x 5L
JM04008	5W-40	4 x 4L
JM04009	5W-40	12 x 1L



MAGMA

# PASSENGER CAR & LIGHT DUTY VEHICLE ENGINE LUBRICANTS



## MAGMA SYN RC

Racing performance, fully synthetic lubricant, designed to offer ultimate performance and wear protection under the most extreme service conditions to high-output engine units (e.g. WRX/STI, Evo, M Power, etc.). Its synthetic nature combined with the TriboACT® Formula technology enables the creation of a shear-resistant oil film and adequately high oil pressure that guarantee performance and durability. It meets the requirements of Japanese, European and U.S. automakers, such as MB sheet 229.5 and oil industry standards such as API SN or ACEA A3/B4.

API SN, SM, CF; ACEA A3/B4

Level: MB 229.5, MB 229.3; GM LL-B-025; Porsche A40; Renault RN 0710, RN 0700; BMW LongLife-01

CODE	GRADE /SAE	PACKAGING
JM04501	5W-50	208L
JM04504	5W-50	20L (PAIL)
JM04507	5W-50	4 x 5L
JM04508	5W-50	4 x 4L
JM04509	5W-50	12 x 1L



## MAGMA SYN F1

Synthetic engine oils of superior performance. Engineered with an innovative additive package, they ensure high levels of engine cleanliness, viscosity retention (and hence "above the top" performance in high temperatures) and outstanding protection during "cold" starts, as well as reduced oil consumption. Due to their excellent dispersant/detergent properties, they are ideal for all modern four-stroke, (in)direct injection, gasoline/diesel/LPG engines of passenger and light duty commercial vehicles, either naturally-aspirated or turbocharged.

10W-40

API SN (approved), SM, CF; ACEA A3/B3, A3/B4; VW 505.00; MB-Approval 229.3; Renault RN 0700; JASO MA-2

Level: VW 502.00

15W-40

API SL, CF; ACEA A3/B3, A3/B4; VW 505.00, 501.01; MB 229.1

CODE	GRADE /SAE	PACKAGING
JM13001	10W-40	208L
JM13007	10W-40	4 x 5L
JM13008	10W-40	4 x 4L
JM13009	10W-40	12 x 1L
JM05001	15W-40	208L
JM05007	15W-40	4 x 5L
JM05008	15W-40	4 x 4L
JM05009	15W-40	12 x 1L



## MAGMA X-100

High performance, advanced, synthetic blend motor oils, developed for gasoline, diesel and LPG engines. They are well-suited to preserve original engine performance thanks to their all-season antiwear properties in severe operating conditions (such as high-rev or/and frequent stop & go city driving). They are suitable for use in fuel-injected, turbocharged or naturally-aspirated, multivalve car engines that run on gasoline, diesel, or LPG. They are highly recommended for numerous passenger cars and light duty commercial vehicles.

5W-30

API SL, CF; ACEA A3/B3, A3/B4; MB 229.1; VW 501.01, 505.00

5W-40

API SL, CF; ACEA A3/B3, A3/B4; MB 229.1; VW 501.01, 505.00; JASO MA2

10W-40

API SL (approved), CF; ACEA A3/B3, A3/B4; MB-Approval 229.1; VW 501.01, 505.00; JASO MA2

CODE	GRADE /SAE	PACKAGING
JM05501	5W-30	208L
JM05504	5W-30	20L (PAIL)
JM05507	5W-30	4 x 5L
JM05508	5W-30	4 x 4L
JM05509	5W-30	12 x 1L
JM06001	5W-40	208L
JM06004	5W-40	20L (PAIL)
JM06007	5W-40	4 x 5L
JM06008	5W-40	4 x 4L
JM06009	5W-40	12 x 1L
JM06501	10W-40	208L
JM06502	10W-40	60L
JM06504	10W-40	20L (PAIL)
JM06507	10W-40	4 x 5L
JM06508	10W-40	4 x 4L
JM06509	10W-40	12 x 1L





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## MAGMA SUPER

High performance mineral based multigrade oils. They offer excellent oil consumption control and a very high level of engine wear protection. For all naturally-aspirated and turbocharged (in) direct gasoline, diesel or LPG engines of passenger cars, vans and light duty vehicles operating under normal conditions. The high viscosity grades are better-suited suitable for warmer climate countries.

**15W-40**  
**API SL (approved), CF; ACEA A3/B3, A3/B4; VW 501.01, 505.00; MB 229.1**

**15W-50 / 20W-50**  
**API SL, CF; ACEA A3/B3, A3/B4; VW 501.01, 505.00; MB 229.1; JASO MA2**

CODE	GRADE /SAE	PACKAGING
JM07001	15W-40	208L
JM07007	15W-40	4 x 5L
JM07008	15W-40	4 x 4L
JM07009	15W-40	12 x 1L
JM07501	15W-50	208L
JM07508	15W-50	4 x 4L
JM07509	15W-50	12 x 1L
JM08001	20W-50	208L
JM08008	20W-50	4 x 4L
JM08009	20W-50	12 x 1L



## MAGMA EXTRA

High performance engine lubricants suitable for use in a wide range of gasoline engines in a variety of applications. It ensures perfect lubrication and wear protection. They are suitable for use in Euro 1, 2, 3 generation gasoline engines in normal operating conditions, providing for a cost efficient, yet high quality lubrication solution. An ideal solution for previous generation North American and Asian models built before 2001.

**API SJ, CF; ACEA A2/B2**

CODE	GRADE /SAE	PACKAGING
JM08501	15W-40	208L
JM08504	15W-40	20L (PAIL)
JM08507	15W-40	4 x 5L
JM08508	15W-40	4 x 4L
JM08509	15W-40	12 x 1L
JM09001	20W-50	208L
JM09004	20W-50	20L (PAIL)
JM09007	20W-50	4 x 5L
JM09008	20W-50	4 x 4L
JM09009	20W-50	12 x 1L



## MAGMA MULTI

A cost efficient series of engine lubricants, based on a high quality, high viscosity index basestock and a additive package providing for high levels of detergency. Ideal for older technology gasoline vehicles fitted with a carburettor. They meet moderate requirements of certain passenger cars and can be used all-year round.

**API SF, CC**

CODE	GRADE /SAE	PACKAGING
JM09501	15W-40	208L
JM09503	15W-40	25L (CAN)
JM09504	15W-40	20L (PAIL)
JM09507	15W-40	4 x 5L
JM09508	15W-40	4 x 4L
JM09509	15W-40	12 x 1L
JM10001	20W-50	208L
JM10003	20W-50	25L (CAN)
JM10004	20W-50	20L (PAIL)
JM10007	20W-50	4 x 5L
JM10008	20W-50	4 x 4L
JM10009	20W-50	12 x 1L



## MAGMA PRIME

Mineral monograde lubricants with good detergent properties. They protect the metallic surfaces against corrosion, rust and wear. They are suitable for top-up in older gasoline and diesel engines.

**API SC, CC; MIL-L-2104B**

CODE	GRADE /SAE	PACKAGING
JM10501	10W	208L
JM11001	30	208L
JM11004	30	20L (PAIL)
JM11008	30	4 x 4L
JM11009	30	12 x 1L
JM11501	40	208L
JM11504	40	20L (PAIL)
JM11508	40	4 x 4L
JM11509	40	12 x 1L

The GRANIT logo is displayed in white, bold, uppercase letters on a solid blue rectangular background.A blue geometric logo consisting of two overlapping triangles forming a larger triangle.

## COMMERCIAL & HEAVY DUTY DIESEL ENGINE LUBRICANTS

(HDMO)

Lower operating/maintenance costs & extended oil drain intervals; these are today's critical issues for the operator and fleet owner and the challenges that OEMs must address in the most efficient manner. These are exactly the same issues that we put into perspective in order to design and develop our GRANIT series of heavy duty engine oils. On top of all these, we could not possibly neglect an increasingly sought reduction in diesel exhaust emissions and, as a result, our products' full compatibility with the various after-treatment technologies in use.

In sum, GRANIT series of lubricants will provide up to **3.3%** additional fuel economy benefits\*. The overall protection of the engine and turbocharger being critical to owners or operators nowadays, GRANIT oils have been specifically engineered to offer to the engine up to **50%** more protection from wear and to the costly turbocharger up to **28%** more protection from deposits and sludge.

**GRANIT engine oils – manufactured in the EU – stand for ultimate reliability at real-life working environments, complete engine, after-treatment system & turbocharger protection and drain intervals extension.**

\* As measured in U.S. EPA's "Smartway" Protocols and SAE J-1321 for the product GRANIT SYN EURO ULTRA 5W-30.











## GRANIT SYN EURO ULTRA

Top quality, fully synthetic low SAPS engine oil designed for the lubrication of heavy-duty diesel engines compliant to the latest exhaust emission standards Euro IV, Euro V and Euro VI and equipped with DPF, EGR and SCR. It is intended to provide for better fuel economy benefits ( of average 1,3%) in the latest Euro VI diesel engines. It is recommended for use in the latest generation turbocharged diesel engines of heavy-duty tractors and buses operating at severe loads and conditions and requiring extended oil drain intervals. It meets the requirements of major European engine manufacturers, such as Mercedes Benz and Volvo, and in particular MAN whose Euro VI engine units demand an oil of MAN 3677 performance level.

**ACEA E9, E6, E7; API CJ-4 (approved), SN (approved); MB 228.51, MB 228.31, MB 235.28; MAN M3677, M3477, M3271-1; MTU Cat. 3.1; Volvo VDS-4, VDS-3 (approved), CNG; Renault Trucks RXD, RLD-3, RLD-2 (approved), RGD; Mack EO-PP, EO-N PP, EO-M Plus, EO-N (approved); Cummins CES 20081; JASO DH-2; Caterpillar ECF-3; Deutz DQC IV-10LA; Detroit Diesel DDC 93K218; Voith Oil Class B**

CODE	GRADE /SAE	PACKAGING
JT00501	5W-30	208L
JT00503	5W-30	25L (CAN)
JT00508	5W-30	4 x 4L



## GRANIT SYN EURO MAXX

Fully synthetic, low SAPS, ultra high performance diesel (UHPD) engine oil. It is recommended for the latest low emission, Euro IV, V & VI heavy duty engines fitted with exhaust after treatment devices (incl. DPF). It provides the highest levels of protection for the engine, the turbocharger and the exhaust after-treatment system. It exceeds the requirements of all major European manufacturers while it can also be used for older Euro II, III engines or engines running on natural gas (CNG) (such as Mercedes Benz, MAN and Volvo).

**ACEA E6, E9, E7; API CI-4 (approved); MAN 3477, M3271-1; MB-Approval 228.51; Volvo VDS-3 (approved); Renault Trucks RGD, RXD, RLD-2 (approved); Mack EO-N (approved); MTU Cat. 3.1; Deutz DQC IV-10 LA; Cummins CES 20076, 20077; JASO DH-2**  
Meets: DAF

CODE	GRADE /SAE	PACKAGING
JT01001	10W-40	208L
JT01002	10W-40	60L
JT01003	10W-40	25L (CAN)
JT01008	10W-40	4 x 4L



## GRANIT SYN EURO DXL

A fully synthetic, ultra high performance oil (UHPDO) specially engineered for diesel powertrains operating under extreme conditions. The high performance additives used enable the final product complying with the latest requirements of all major European OEMs (such as Mercedes Benz and Scania) regarding piston cleanliness, excellent control of bore polish and valve train wear and thus it is essential for longer engine life. It meets the requirements of most European manufacturers for Euro III/IV engines and certain Euro V and, in particular, Scania Euro VI applications with exhaust gas recirculation (EGR) or/and selective catalytic reduction (SCR) systems. Suitable for a wide range of transportation applications for which maximum allowable change intervals are enabled.

**ACEA E4, E7; API CF; MB 228.5, MB 235.28; MAN M3277; Volvo VDS-3; MTU Cat. 3; Renault Trucks RXD, RLD-2; Scania LDF-3; DAF Extended Drain; Cummins CES 20077; Voith Retarder Oil Class B; Deutz DQC IV-10; Mack EO-N; IVECO 18-1804 TFE**

CODE	GRADE /SAE	PACKAGING
JT01501	5W-30	208L
JT01503	5W-30	25L (CAN)



## GRANIT SYN EURO FLEET

SYN EURO FLEET SAE 10W-40 is a fully synthetic, top-tier, heavy duty diesel engine oil designed to deliver performance reserves in demanding industry and OEM specifications and to offer extended long drains. It provides outstanding protection from bore polishing and deposit build-up. It is suitable for all types of on-road and off-road heavy duty engines that require performance levels as defined by API CI-4, ACEA E4, ACEA E7 and MB 228.5 or SCANIA LDF-2, providing exceptional performance and advanced protection of the EGR and SCR systems.

**API CI-4 (approved); ACEA E4, E7; MB-Approval 228.5; MAN M3277 Volvo VDS-3 (approved); MTU Cat. 3 Renault Trucks RXD, RLD-2 (approved); Scania LDF-2 (approved); Deutz DQC III-10; DAF Extended Drain; Cummins CES 20077, 20078; Mack EO-N (approved), EO-M Plus; IVECO 18-1804 T3 E4**

CODE	GRADE /SAE	PACKAGING
JT02001	10W-40	208L
JT02003	10W-40	25L (CAN)



CERTIFIED  
CYCLON QUALITY



## GRANIT VDS

Mid SAPS, super high performance diesel (SHPD) engine oil that meets the VOLVO VDS-4 long drain specification, which is recommended for latest generation of Volvo engines with DPF and turbochargers. Formulated with highly hydrotreated, unconventional base oils, it provides excellent soot handling, wear and oxidation resistance. It is suitable for engines fitted with particulate filters that operate in very severe operating conditions. It can be used in both on-road diesel engines Euro IV, V, VI, EPA 2007/2010 and off-highway stage IIIB and Tier IV engines that require performance levels defined by API CK-4/CJ-4, API SM, ACEA E9 or E7, running on low sulphur fuel (<15ppm). Equally suitable for older generation Euro II and III engines that 'run' on higher sulphur (up to 500ppm) diesel fuel.

**API CK-4, CJ-4 (approved), CI-4+, CI-4, SM (approved); ACEA E9; MB-Approval 228.31; MAN M3575; MTU Cat. 2.1; Mack EO-O Premium Plus (approved); Renault Trucks RLD-3 (approved); Volvo VDS-4 (approved); Caterpillar ECF-3, ECF-2, ECF-1a; Cummins CES 20081; Detroit Diesel DDC 93K218; Deutz DQC III-10 LA; Global DHD-1; JASO DH-2 (level)**

CODE	GRADE /SAE	PACKAGING
JT02401	10W-40	208L
JT02404	10W-40	20L (PAIL)
JT02501	15W-40	208L
JT02504	15W-40	20L (PAIL)



## GRANIT SYN SHPD PLUS

Premium quality, fully synthetic, super high performance diesel engine oil series meeting the requirements of advanced diesel engines equipped with exhaust gas recirculation system (EGR) or selective catalytic reduction (SCR) systems. It enables reliable performance concerning soot-induced wear and easy cold starts. GRANIT SYN SHPD PLUS SAE 10W-40 carries a wide range of OEM approvals, making it an ideal lubricant for mixed fleet operators. It is recommended for highly-rated diesel engines in commercial vehicles, trucks, buses and equipment in road construction and even agricultural applications meeting Euro I, Euro II, Euro III, Euro IV and Euro V emission standards and running under demanding conditions of mid to long drain intervals. It is also suitable for passenger/light duty commercial vehicles that require an ACEA B4 or API SL performance oil.

**ACEA E7, E5, E3, B3, B4, A3; API CI-4 (approved), CH-4, CG-4, SL (approved); MB-Approval 228.3, MB-Approval 229.1; Global DHD-1; MAN M3275-1 (approved); MTU Cat. 2; Volvo VDS-3 (approved); Renault Trucks RLD-2 (approved); Mack EO-M Plus, EO-N (approved); Cummins CES 20076, 20077, 20078; DAF SHPD; Caterpillar ECF-2, ECF-1a; ZF TE-ML 07C; Deutz DQC III-10; Detroit Diesel DDC 93K215**

**Level: Allison C4**

CODE	GRADE /SAE	PACKAGING
JT03001	10W-40	208L
JT03002	10W-40	60L
JT03004	10W-40	20L (PAIL)
JT03008	10W-40	4 x 4L
JT03009	10W-40	12 x 1L



## GRANIT SYN SHPD

GRANIT SYN SHPD SAE 15W-40 is a synthetic, mixed fleet diesel engine oil designed to provide excellent protection for fleets of commercial vehicles. It is approved by major global vehicle manufacturers for use in Euro V, IV and Euro III generation European, US and Japanese technology vehicles. It fights corrosion and soot-induced wear, the primary concern for Euro IV/V clean technology engines in much tougher environments because of the increased use of biodiesel. It is a truly versatile product, which can be used in trucks, buses, LCVs, off-road vehicles, agricultural and construction equipment, as well as in light-duty diesel and gasoline engines requiring an ACEA A3/B4 or/and API SL oil.

**ACEA E7, E5, E3, B4, B3, A3; API CI-4 (approved), CH-4, CG-4, SL (approved); MB 228.3; Global DHD-1; MAN M3275-1 (approved); MTU Cat. 2; Volvo VDS-3 (approved); Renault Trucks RLD-2 (approved); Mack EO-M Plus, EO-N (approved); Cummins CES 20076, 20077, 20078; DAF SHPD; Caterpillar ECF-2, ECF-1a; ZF TE-ML 07C; Deutz DQC III-10; Detroit Diesel DDC 93K215; IVECO 18-1804 T2 E3**

**Level: Allison C4**

CODE	GRADE /SAE	PACKAGING
JT03501	15W-40	208L
JT03503	15W-40	25L (CAN)
JT03504	15W-40	20L (PAIL)
JT03508	15W-40	4 x 4L
JT03509	15W-40	12 x 1L



## GRANIT SYN HPD

GRANIT SYN HPD is a premium quality, synthetic, super high performance diesel engine oil meeting the requirements of advanced diesel engines equipped with exhaust gas recirculation system (EGR) or selective catalytic reduction (SCR) systems. It demonstrates great oxidation resistance, resistance to shearing and very low oil consumption. It is particularly suitable for all Euro II, III and most Euro IV & V diesel engines (without DPF), either normally-aspirated or highly-rated, turbocharged ones, operating under high temperature conditions in highway and off-highway applications, such as mining, quarrying, agricultural and construction machinery.

**ACEA E7, E5, E3, B3, B4, A3; API CI-4, CH-4, CG-4, SL; MB 228.3; Global DHD-1; MAN M3275; MTU Cat. 2; Volvo VDS-3; Renault Trucks RLD-2; Mack EO-M Plus; Cummins CES 20076, 20077, 20078; DAF SHPD; Caterpillar ECF-2, ECF-1a; ZF TE-ML 07C; Deutz DQC III-10; Detroit Diesel DDC 93K215**

**Level: Allison C4**

CODE	GRADE /SAE	PACKAGING
JT04001	20W-50	208L
JT04003	20W-50	25L (CAN)
JT04004	20W-50	20L (PAIL)
JT04008	20W-50	4 x 4L
JT04009	20W-50	12 x 1L





## GRANIT MAXIMUM

A high quality, super high performance diesel engine oil that meets the requirements of advanced diesel engines equipped with exhaust gas recirculation system (EGR) or selective catalytic reduction (SCR) systems. It is engineered to provide reliable performance, advanced soot and wear control and low oil consumption. It is suitable for all Euro II, III and most Euro IV & V diesel engines (without DPF) of mid to long drain intervals, either normally-aspirated or highly-rated, turbocharged ones, operating under severe conditions. It is the ideal choice for heavy-duty, demanding operating environments (off-highway), international transport vehicles (TIR) and buses. It is strongly recommended for vehicles that operate in a wide temperature range.

**ACEA E7, E5, E3; API CI-4 (approved), CH-4, CG-4, SL (approved); MB-Approval 228.3; MAN M3275-1 (approved); MTU Cat. 2 Volvo VDS-3 (approved); Renault Trucks RLD-2 (approved); Mack EO-M Plus, EO-N (approved); Global DHD-1; Cummins CES 20076, 20077, 20078; DAF SHPD; Allison C4; Caterpillar ECF-2, ECF-1a; ZF TE-ML 07C; Deutz DQC III-10; Detroit Diesel DDC 93K215; IVECO 18-1804 T2 E3**

CODE	GRADE /SAE	PACKAGING
JT04501	15W-40	208L
JT04502	15W-40	60L
JT04503	15W-40	25L (CAN)
JT04504	15W-40	20L (PAIL)
JT04506	15W-40	10L (PAIL)
JT04507	15W-40	4 x 5L
JT04508	15W-40	4 x 4L
JT04509	15W-40	12 x 1L



## GRANIT SUPER

CYCLON GRANIT SUPER SAE 20W-50 is a super high performance diesel engine oil suitable for all Euro II, III and most Euro IV & V diesel engines of mid to long drain intervals, equipped with exhaust gas recirculation system (EGR) or selective catalytic reduction (SCR) systems. It prevents deposits formation and provides exceptional protection to bearings and 'yellow metals' from corrosion. The creation of a strong oil film retains lubrication and cleanliness to engine parts in harsh operating conditions such as the turbine shaft area. It is the ideal choice for heavy-duty, demanding operating environments (off-highway), international transport vehicles (TIR) and buses.

**ACEA E7, E5, E3; API CI-4, CH-4, CG-4, SL ; MB 228.3; Global DHD-1; MAN M3275-1; MTU Cat. 2; Volvo VDS-3; Renault Trucks RLD-2; Mack EO-M Plus; Cummins CES 20076, 20077, 20078; DAF SHPD; Caterpillar ECF-2, ECF-1a; Deutz DQC III-10; Detroit Diesel DDC 93K215**  
Level: Allison C4

CODE	GRADE /SAE	PACKAGING
JT05001	20W-50	208L
JT05003	20W-50	25L (CAN)
JT05004	20W-50	20L (PAIL)
JT05007	20W-50	4 x 5L
JT05008	20W-50	4 x 4L
JT05009	20W-50	12 x 1L



## GRANIT EXTRA

High performance, universal engine lubricant suitable for use in a wide range of diesel and gasoline engines in a variety of applications. It is produced according to the latest technological developments and ensures perfect lubrication and wear protection. It is suitable for use in mixed fleets of naturally-aspirated and turbocharged Euro I, II, III diesel and gasoline engines burning low or medium sulphur fuel, and in both on/off-highway fleet operations under normal operating conditions for cost effective lubrication.

**15W-40**  
**API CF-4, CG-4, SG, SJ; ACEA E2; MB-Approval 228.1; MTU Cat. 1; Volvo VDS; MAN 271**  
Level: ACEA A2/B2

**20W-50**  
**API CF-4, CG-4, SG, SJ; ACEA E2; MB 228.1; MTU Cat. 1; Volvo VDS; MAN 271**  
Level: ACEA A2/B2

CODE	GRADE /SAE	PACKAGING
JT05501	15W-40	208L
JT05502	15W-40	60L
JT05506	15W-40	10L (PAIL)
JT05507	15W-40	4 x 5L
JT05508	15W-40	4 x 4L
JT05509	15W-40	12 x 1L
JT06001	20W-50	208L
JT06004	20W-50	20L (PAIL)
JT06007	20W-50	4 x 5L
JT06008	20W-50	4 x 4L
JT06009	20W-50	12 x 1L



## GRANIT MULTI

High quality multigrade lubricants formulated to meet moderate requirements of certain commercial vehicles. They can be used all year round in naturally-aspirated or turbocharged indirect injection diesel engines. Also suitable for gasoline vehicles fitted with a carburettor.

**API CD, SF; CCMC D2, G2, PD-2; MIL-L-2104D, MIL-L-46152B**

CODE	GRADE /SAE	PACKAGING
JT06501	15W-40	208L
JT06504	15W-40	20L (PAIL)
JT06506	15W-40	10L (PAIL)
JT06507	15W-40	4 x 5L
JT06508	15W-40	4 x 4L
JT06509	15W-40	12 x 1L
JT07001	20W-50	208L
JT07003	20W-50	25L (CAN)
JT07004	20W-50	20L (PAIL)
JT07006	20W-50	10L (PAIL)
JT07008	20W-50	4 x 4L
JT07009	20W-50	12 x 1L





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## GRANIT PRIME

High quality monograde lubricants for four-stroke diesel and gasoline engines. They ensure total protection and high performance under any operating condition. Suitable for high-output diesel and petrol engines, either naturally-aspirated or turbocharged ones, in on-/off-highway applications and agricultural equipment. They are also suitable for use in powershift transmissions, torque converters and hydraulic systems, if recommended by the manufacturer. They are ideal for stationary engines. The grades SAE 30 and 40 are, also, suitable for two-stroke engines require API CF-2 oil.

**10W / 20W / 30 / 50**

**API CF, CF-2, SJ; ACEA E2; MAN 270; MB 228.0; Allison C-4; MTU Cat. 1; Caterpillar TO-2**

**40**

**API CF, CF-2, SJ; ACEA E2; MAN 270; MB-Approval 228.0; MTU Cat. 1 Allison C-4; Caterpillar TO-2**

CODE	GRADE /SAE	PACKAGING
JT07501	10W	208L
JT07504	10W	20L (PAIL)
JT08001	20W	208L
JT08004	20W	20L (PAIL)
JT08501	30	208L
JT08504	30	20L (PAIL)
JT08508	30	4 x 4L
JT08509	30	12 x 1L
JT09001	40	208L
JT09004	40	20L (PAIL)
JT09008	40	4 x 4L
JT09009	40	12 x 1L
JT09501	50	208L
JT09504	50	20L (PAIL)



## GRANIT S-3

High quality monograde lubricants. They contain detergents able to neutralize the strong acids produced by fuel of high sulphur content. They protect engine against wear and corrosion. They are used whenever quality of API CD level is sought, such as old technology, normally-aspirated or turbo diesel and gasoline engines is mining, construction, marine, other stationary and agricultural applications.

**API CD, SF; CCMC D2, G2, PD-2; MIL-L-2104E, MIL-L-46152B; Caterpillar TO-2**

CODE	GRADE /SAE	PACKAGING
JT10001	10W	208L
JT10501	30	208L
JT10504	30	20L (PAIL)
JT10506	30	10L (PAIL)
JT11004	40	20L (PAIL)
JT11006	40	10L (PAIL)
JT11504	50	20L (PAIL)
JT11508	50	4 x 4L
JT11509	50	12 x 1L



## GRANIT NATGAS SP

High performance, low ash lubricant oil. Designed for high output naturally-aspirated and turbocharged engines in stationary applications fuelled by natural gas. Suitable for use in engines equipped with catalytic exhaust systems. They can be used for extended drain intervals. Exceed the requirements of Waukesha, MWM Deutz, Caterpillar Wärtsilä, Jenbacher, MDE, MAN B&W, Guascor, Dresser-Rand, Ulstein Bergen.

**Level: API CD**

CODE	GRADE /SAE	PACKAGING
JM13501	30	208L
JM13601	40	208L



## GRANIT ERGON

Specially designed to meet in full the performance characteristics of Caterpillar's TO-4 specification. They deliver superior friction properties, anti-wear protection, full seal and metal compatibility and very good oxidation stability. To be used in power shift transmissions, differentials, final drives, clutches and hydraulic systems of Caterpillar's newer and older models and in any other equipment, such as tractors, construction machinery and farming machinery where an oil of TO-4 and Allison C-4 specifications is sought.

**API CF, CF-2; Caterpillar TO-4; Komatsu KES 07.868.1; Allison C-4; ZF TE-ML 03C**

CODE	GRADE /SAE	PACKAGING
JA02501	10W	208L
JA02504	10W	20L (PAIL)
JA03001	30	208L
JA03004	30	20L (PAIL)
JA03501	50	208L
JA03504	50	20L (PAIL)



## FARMA FLUID

Super universal oil (STOU) for all agricultural equipment. Blended from highly refined mineral oils and carefully selected additives for the reliable lubrication of agricultural tractors and ancillary farm machinery. Suitable for use in all turbocharged or naturally-aspirated diesel engines working under the most severe conditions, in mechanical transmissions, hydraulic systems, wet brakes and/or immersed clutches. Exceeds the requirements of Massey Ferguson, John Deere, Ford New Holland, FIAT, Zetor, Landini, Lamborghini etc.

**API CG-4, CF-4, CF, SF, GL-4; ACEA E3; Allison C-4; Massey Ferguson M-1135, M-1139, M-1143, M-1144, M-1145; ZF TE-ML 06A, 06B, 06C, 07B; Ford New Holland 82009201, 82009202, 82009203; Ford WSS M2C-159B, WSS M2C-159C, WSS M2C-134D; John Deere J20C, J27; Case New Holland MAT 3525, MAT 3526**

CODE	GRADE /SAE	PACKAGING
JA00501	10W-30	208L
JA00502	10W-30	60L
JA00504	10W-30	20L (PAIL)
JA00508	10W-30	4 x 4L



## FARMA PRIME

Super universal oil (STOU) for all agricultural equipment. Blended from highly refined mineral oils and carefully selected additives for the reliable lubrication of agricultural tractors and ancillary farm machinery. Suitable for use in all turbocharged or naturally-aspirated diesel engines working under the most severe conditions, in mechanical transmissions, hydraulic systems, wet brakes and/or immersed clutches. Exceeds the requirements of Massey Ferguson, John Deere, Ford New Holland, FIAT, Zetor, Landini, Lamborghini etc.

**API CG-4, CF-4, CF, SF, GL-4; ACEA E3; Allison C-4; Massey Ferguson M-1135, M-1139, M-1143, M-1144, M-1145; ZF TE-ML 06A, 06B, 06C, 07B; Ford New Holland 82009201, 82009202, 82009203; Ford WSS M2C-159B, WSS M2C-159C, WSS M2C-134D; John Deere J20C, J27; Case New Holland MAT 3525, MAT 3526**

CODE	GRADE /SAE	PACKAGING
JA01001	20W-30	208L
JA01004	20W-30	20L (PAIL)



## FARMA

Super universal oil (STOU) for all agricultural equipment. Blended from highly refined mineral oils and carefully selected additives for the reliable lubrication of agricultural tractors and ancillary farm machinery. Suitable for use in all turbocharged or naturally-aspirated diesel engines working under the most severe conditions, in mechanical transmissions, hydraulic systems, wet brakes and/or immersed clutches. Exceeds the requirements of Massey Ferguson, John Deere, Ford New Holland, FIAT, Zetor, Landini, Lamborghini etc.

**API CG-4, CF-4, CF, SF, GL-4; ACEA E3; Allison C-4; Massey Ferguson M-1135, M-1139, M-1143, M-1144, M-1145; ZF TE-ML 06A, 06B, 06C, 07B; Ford New Holland 82009201, 82009202, 82009203; Ford WSS M2C-159B, WSS M2C-159C, WSS M2C-134D; John Deere J20C, J27; Case New Holland MAT 3525, MAT 3526**

CODE	GRADE /SAE	PACKAGING
JA01501	15W-40	208L
JA01504	15W-40	20L (PAIL)



## FARMA UTTO

FARMA UTTO is a low viscosity SAE 80W (or SAE 10W30) universal tractor transmission fluid intended for use in all agricultural machinery and many off-road applications. It is carefully formulated by high quality base oils and special additives offering superior friction performance. It eliminates the chatter in wet brakes and provides excellent shift performance in powershift transmissions resulting in reduced operating fatigue. FARMA UTTO is suitable for mechanical transmissions, power steering systems, PTOs, hydraulic systems, wet brakes or/and immersed brake clutches of agricultural (all tractor types, combine harvesters, sprayers), construction, forestry and handler equipment. FARMA UTTO can be used in applications requiring API GL-4 of SAE 80W grade lubricants in all gear applications except hypoid gear designs.

**API GL-4; Case IH MS-1204, 1206, 1207, 1209; Case New Holland MAT 3525, MAT 3526; Ford New Holland FNHA-2-C-200.00, FNHA-2-C-201.00; Ford WSS M2C-86B, WSS M2C-86C, WSS M2C-134D; New Holland NH 410B; John Deere J20C, J20D; Massey Ferguson M-1145 (M-1135, M-1141, M-1143); Volvo WB 101; ZF TE-ML 03E, TE-ML 05F; Caterpillar TO-2, TO-4, Allison C-4, Parker (Denison) HF-0, HF-1, HF-2; Vickers M-2950-S, I-286-S; Kubota UDT; Komatsu KES 07.868.1**  
**Meets: AGCO Permatran 821XL; Powerfluid 821XL**

CODE	GRADE /SAE	PACKAGING
JA02001	80W/10W-30	208L
JA02002	80W/10W-30	60L
JA02004	80W/10W-30	20L (PAIL)
JA02006	80W/10W-30	10L (PAIL)
JA02008	80W/10W-30	4 x 4L





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## **MOTORCYCLE & OUTBOARD ENGINE LUBRICANTS** (MOTO)

Population increase in large urban centers and the consequent increase of cars are responsible for the exponentially increased driving congestion in city roads. As a way out of this bottleneck, a substantial percentage of daily commuters turned their attention to bikes and scooters for their daily routine and for their ease of mind. The comprehensive line of LAVA motorcycle engine oils was developed to accommodate the motorcyclists that need to drive their bike on a daily basis and subject their 2- or 3-wheeler to frequent “stop n’ drive”, gear shifting and turning.

**LAVA motorcycle engine oils – manufactured in the EU – stand for ultimate engine protection and reliability, but not at the expense of performance.**











# MOTORCYCLE & OUTBOARD ENGINE LUBRICANTS



## LAVA SYN RACING 4T

Fully synthetic, multigrade, four-stroke engine lubricant, intended for use in high performance racing bikes. Its unique formula enables premium lubrication performance and wet clutch utilization under extreme conditions of shearing and temperatures. It secures maximum power performance, increased acceleration and virtually no oil loss. It covers the requirements of leading motorcycle manufacturers Honda, Suzuki, Yamaha, Kawasaki, etc. Suitable for use in high output/high rpm's four-stroke motorcycles, such as competition or enduro bikes and in any on-/off-road applications.

API SL; JASO MA2

CODE	GRADE /SAE	PACKAGING
JL03502	10W-40	60L
JL03509	10W-40	12 x 1L



## LAVA SYN 4T

Fully synthetic multigrade lubricant for four-stroke motorcycles' engines. It exceeds API SL and JASO specifications. It ensures smooth wet clutch and gear box operation. It shows strong resistance to thermal breakdown for excellent operation in high loads/rpm's and meets major OEM' demands, such as Honda, Suzuki, Yamaha, Kawasaki, BMW, etc. Suitable for modern four-stroke engines, large mono- & twin-cylinder, on-/off-road bikes with air-cooled engines. It is, also, suitable for the majority of classic motorbikes requiring a product with a strong resistance to evaporation.

API SL; JASO MA2, MA

CODE	GRADE /SAE	PACKAGING
JL04002	15W-50	60L
JL04009	15W-50	12 x 1L



## LAVA SUPER 4T

Multigrade lubricant for four-stroke motorcycles. It provides high protection against wear in engines and transmissions in high speeds and high temperatures and extends the life of the engine. It is suitable for all types of motorcycles and recommended for a wide range of bikes and large-sized scooters with wet clutches. It is particularly well-suited for urban "stop n' go" riding conditions.

API SG; JASO MA2, MA

CODE	GRADE /SAE	PACKAGING
JL04502	20W-50	60L
JL04509	20W-50	12 x 1L



## LAVA SYN 2T

A premium quality, fully synthetic lubricant for high performance two-stroke motorcycle engines. It provides superior lubricity for minimal friction wear, clean burning for low smoke while the strong detergency properties eliminate the accumulation of gum deposits in rings area, in the exhaust port system and in spark plugs. Particularly suitable for two-stroke air-cooled or water-cooled engines operating under high loads and high rpm's, such as racing, enduro and other on-/off-road applications. Exceeds the most stringent demands of global OEM such as Suzuki, Honda, Yamaha, Husqvarna and Stihl. It is suitable for premix or injection lubrication systems. The suggested dilution ratio is 1:50 (parts of lubricant in parts of fuel) or 2%.

JASO FD, FC; API TC; ISO 6743-15 (ISO-L-EGC, ISO-L-EGD); TISI; Piaggio Hexagon

CODE	GRADE /SAE	PACKAGING
JL02009	—	12 x 1L



## LAVA 2T SCOOTER

High performance, smokeless lubricant for two-stroke engines. It is a clean burning product creating a strong oil film on all metal surfaces protecting them from wear and corrosion. It contains special dispersant additives that minimize the varnish and deposit formation. It improves power and extends engine life. Compatible with modern catalytic converters. It is suitable for two-stroke motorcycles and scooters operating over a wide range of loads and rpm's as in "stop-start" city driving. It is suitable for motorcycles with premix or injection oil systems at a suggested dilution (in fuel) ratio of 2%.

API TC; ASTM TSC-3; JASO FC; TISI; ISO 6743-15 (ISO-L-EGD)

CODE	GRADE /SAE	PACKAGING
JL03009	—	12 x 1L





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## LAVA 2T SUPER MIX

Low smoke lubricant for use in air-/water-cooled two-stroke motorcycles of low capacity and low performance. It is suitable for premix and injection oil systems. The suggested dilution ratio is 2%. For all types of two-stroke motorcycle engines of all displacements such as motorcycles, scooters, mopeds. To be mixed with gasoline at a ratio as recommended by the manufacturer.

API TA, TB; JASO FB; ISO 6743-15 (ISO-L-EGB)

CODE	GRADE /SAE	PACKAGING
JL02501	—	208L
JL02504	—	20L (PAIL)
JL02509	—	12 x 1L
JL02515	—	70X200ML



## LAVA CYBIO-OB 2T

Ashless, solvent-free, biodegradable, top performance synthetic ester-based engine oil, intended for use in marine outboard two-stroke engines. It meets the European Ecolabel requirements and may be used in environmentally sensitive areas. Specifically engineered to deliver high deposit control in conventional outboard engines, enhanced filterability that minimises filter blockages, hence assisting in lower maintenance costs. It is suitable for outboards, land-use two-stroke engines and chainsaws.

NMMA TC-W3, Ecolabel-Certifiable

CODE	GRADE /SAE	PACKAGING
JL01004	—	20L (PAIL)
JL01008	—	4 x 4L
JL01009	—	12 x 1L



## LAVA OUTBOARD 4T

High performance, four-stroke engine oil for use in outboard engines. It exceeds the requirements of the strict National Marine Manufacturers' Association (NMMA) FC-W specification. It shows excellent wear and corrosion protection, it resists foam formation and shearing, meeting the shear HTHS requirements of NMMA. It is recommended for gasoline-fuelled, four-stroke outboard and watercraft motors of major global OEM, such as Honda, Mercury, Yamaha, Johnson/Evinrude, Suzuki, Nissan, Tohatsu. It can be used wherever a SAE 10W-40, 15W-40, 25W-40 or straight SAE 40 oil is sought.

NMMA FC-W

CODE	GRADE /SAE	PACKAGING
JL01508	—	4 x 4L



## LAVA OUTBOARD 2T

Premium quality, ashless two-stroke engine oil for use in water-cooled outboard engines. It exceeds the requirements of the strict National Marine Manufacturers' Association (NMMA) TCW-III specification and the performance requests of major manufacturers such as Evinrude, Johnson, Yamaha, Tohatsu and Mariner Mercury. It shows outstanding detergency and excellent rust protection during extended engine storage periods. It is suitable for all leading outboard engines, including the latest high horsepower units with direct fuel injection (DFI) models used in boats, snowmobiles and motorcycles, with a "premix" or injection oil system and in fuel/oil ratios from 11:1 to 100:1. It is dyed green for easy identification in the fuel.

NMMA TC-W3

CODE	GRADE /SAE	PACKAGING
JL00501	—	208L
JL00504	—	20L (PAIL)
JL00508	—	4 x 4L
JL00509	—	12 x 1L



## LAVA TIMBER CHAIN

TIMBER CHAIN is developed for the lubrication of chains and guide bars of chainsaws. It protects from corrosion, wear and rust formation. It utilises a special "tackiness" agent that prevents leaking, sticking or chattering. Its good low temperature flow properties and basestock low/high temperatures stability make it ideal for dust and dirt generating applications, and for both the summer and winter seasons.

CODE	GRADE /SAE	PACKAGING
JL05009	30(ISO 100)	12 x 1L

# GEAR



## DRIVELINE LUBRICANTS

Driveline systems are required to handle different and increasingly heavier loads, use different materials and, overall, they operate under very different conditions. Cyclon GEAR series of driveline oils have been specifically designed to minimize wear and to handle loads and low/high temperatures, while retaining their viscometrics and ensuring that no power losses occur in the system. LPC's Cyclon GEAR oils meet the challenges and different requirements of the world's leading axle, gear and automatic transmission manufacturers, so that to ensure that your driveline system gets the maximum protection possible, while it operates as it is designed to. At the same time, you know you get the right oil and you enjoy your peace of mind.

**GEAR oils – manufactured in the EU – stand for  
ultimate driveline protection and reliability and  
your peace of mind.**









## GEAR SYN G XL

GEAR SYN G XL is a long life, low viscosity fluid, designed for use in all ZF manual and automated manual commercial transmissions. Based on a premium synthetic basestock and a very advanced anti-wear, EP additive system, it provides for excellent low temperature fluidity giving improved protection and smooth gear shifts at low temperatures. Due to its excellent thermal and oxidative stability, it extends the life of transmission and lubricant extending drain intervals, as well as reducing service needs. It is characterised by its broad synchroniser compatibility. It is specially formulated for use in heavily loaded manual and automated manual synchronized transmissions running under very severe conditions (in terms of load, speed or temperature variations). It is, also, suitable for use in differentials (in the absence of a torque hypoid). A particularly well-suited fluid for the purpose of meeting ZF's extended drain intervals, with/without ZF-Intarder/retarder and for global OEMs (such as Renault Trucks, DAF, MAN, Iveco, etc.).

**API GL-4; MAN 341 Type E-3, 341 Type Z-4; Volvo 97305; ZF TE-ML 01L, 02L, 08, 13, 16K**

**Meets: Eaton Europe (300.000 km/3 years), DAF, IVECO, Renault Trucks (B0032/2 Annex 3)**

CODE	GRADE /SAE	PACKAGING
JE00504	75W-80	20L (PAIL)
JE00508	75W-80	4 x 4L
JE00509	75W-80	12 x 1L



## GEAR SYN G HZ

Extreme performance multi-vehicle gear oil, suitable for gearboxes and transaxles where the manufacturer specifies a GL-4 SAE 75W-80 oil. It provides outstanding protection and lubrication of the gearbox over a wide temperature range. It meets the requirements of most European and Asian passenger car manufacturers.

**API GL-4; BMW MTF LT-2, MTF LT-3; GM 1940768; MB 235.10; PSA B71 2330; Special Gear Oil MTF 94; Tranself TRJ; VW G 009 317, G 052 512**

**Suitable: Ford WSS-M2C200-D2; GM 1940764; Special Honda MTF, MTF-II, MTF-III; Tranself NFJ, NRJ, TRT, TRZ; Volvo 97308, 97309; VW G 052 178, G 060 726**

**Meets (check manual for models): Alfa Romeo, BMW, Ford, Magma PT (Getrag), Honda, Hyundai, KIA, Land Rover, Lexus, Mercedes Benz, Nissan, Opel, Peugeot, Citroën, Renault, Saab, Toyota, Volvo, VW**

CODE	GRADE /SAE	PACKAGING
JE01004	75W-80	20L (PAIL)
JE01008	75W-80	4 x 4L
JE01009	75W-80	12 x 1L



## GEAR SYN TDL

Long life transmission and axle oil designed to provide ultimate protection to the latest heavy duty manual transmissions and axles. Produced by 100% synthetic base oils and a unique technology additive system, it provides advanced protection against wear, viscosity retention, improved fuel economy and longer service life due to its excellent thermal stability. It is an extreme performance total driveline lubricant specially formulated for use in heavily-loaded axles and synchronised transmissions of all major Japanese and European passenger cars, commercial vehicles, buses, delivery trucks, tractors and construction equipment.

**API GL-5, GL-4, MT-1; MB 235.8; Volvo 97312; Detroit Diesel DFS 93K219.01; MAN 341 Type Z2, 342 Type S1; Mack GO-J; Scania STO:1, STO 2:0A FS; Eaton Europe (transmissions); Meritor 076-N; ZF TE-ML 02B, TE-ML 05A, TE-ML 07A, TE-ML 08, TE-ML 12L, TE-ML 12N, TE-ML 16F, TE-ML 17B, TE-ML 19C, TE-ML 21A; MIL-PRF-2105E; SAE J2360**

CODE	GRADE /SAE	PACKAGING
JE01501	75W-90	208L
JE01502	75W-90	60L
JE01504	75W-90	20L (PAIL)
JE01508	75W-90	4 x 4L
JE01509	75W-90	12 x 1L



## GEAR SYN EP

High performance, synthetic gear oil for transmission systems and differentials. It is manufactured with the use of advanced technology base oils and additives in order to ensure good rheological behavior in low temperatures and retention of its viscosity at high temperatures. It is suitable for hypoid gears, drive axles and final drives operating in a broad temperature spectrum, and for trucks, construction equipment, as well as passenger cars. It can, also, be used in cars' gear boxes if API GL-5 specification is sought.

**API GL-5; MIL-L-2105D; ZF TE-ML 05A, TE-ML 07A, TE-ML 12E, TE-ML 16B, TE-ML 17B**

CODE	GRADE /SAE	PACKAGING
JE02001	75W-90	208L
JE02004	75W-90	20L (PAIL)
JE02009	75W-90	12 x 1L





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## GEAR EP/GL-5

High performance multigrade gear oils. They offer exceptional resistance to oxidation and corrosion and maximize performance under adverse loading and temperature conditions. Capable of improving fuel economy, they are suitable for hypoid gear, drive axles and final drives operating under high speed/shock loads in trucks, construction equipment and passenger cars. Suitable for gear boxes where a API GL-5 gear oil specification is recommended.

### 80W-90

**API GL-5; MIL-L-2105D; MAN 342 Type M1, 342 Type M2, 342 N; ZF TE-ML 05A, TE-ML 12E, TE-ML 16B, TE-ML 17B, TE-ML 19B, TE-ML 21A (approved), TE-ML 07A, TE-ML 08, TE-ML 16C, TE-ML 16D**

**Suitable: Volvo 97310 (1273.10)**

### 85W-90/85W-140

**API GL-5; MILL-2105D; MAN 342 Type M1, 342 Type M2; ZF TE-ML 05A, TE-ML 07A, TE-ML 08, TE-ML 12E, TE-ML 16B, TE-ML 16C, TE-ML 16D, TE-ML 21A**

**Suitable: Volvo 97310 (1273.10)**

CODE	GRADE /SAE	PACKAGING
JE02501	80W-90	208L
JE02504	80W-90	20L (PAIL)
JE02508	80W-90	4 x 4L
JE02509	80W-90	12 x 1L
JE03001	85W-90	208L
JE03501	85W-140	208L
JE03504	85W-140	20L (PAIL)



## GEAR HD/GL-4

High quality gear oil with specially selected additives for mild extreme pressure conditions. They impart good antiwear, anti-rust characteristics and oxidation stability. Recommended for the lubrication of manual gearboxes of passenger cars and commercial vehicles operating under high speed/low torque and low speed/high torque conditions. Suitable for gearboxes fitted with synchromesh.

**API GL-4; MIL-L-2105; MAN 341; ZF TE-ML 02A, TE-ML 08A, TE-ML 17A**

CODE	GRADE /SAE	PACKAGING
JE04001	90	208L
JE04004	90	20L (PAIL)
JE04006	90	10L (PAIL)
JE04009	90	12 x 1L
JE04501	80W-90	208L
JE04504	80W-90	20L (PAIL)
JE04508	80W-90	4 x 4L
JE04509	80W-90	12 x 1L
JE03701	80W	208L
JE03704	80W	20L (PAIL)
JE04201	140	208L
JE04204	140	20L (PAIL)
JE04301	250	208L
JE04304	250	20L (PAIL)
JE04309	250	12 x 1L



## GEAR BV/P-CT

Specially designed oil for the lubrication of manual gear boxes and axles of passenger cars when the manufacturer requires an oil of this quality and grade. Particularly recommended for the lubrication of Peugeot and Citroën vehicles' gear boxes.

### API GL-5

**Recommended: Peugeot, Citroën**

CODE	GRADE /SAE	PACKAGING
JE05001	75W-80	208L
JE05004	75W-80	20L (PAIL)
JE05009	75W-80	12 x 1L



## GEAR PRIME

Monograde high viscosity index automotive gear lubricants. Suitable for manual gearboxes and differentials of older cars that operate under light load/low speed conditions.

### API GL-1

CODE	GRADE /SAE	PACKAGING
JE05501	90	208L
JE05504	90	20L (PAIL)
JE05508	90	4 x 4L
JE05509	90	12 x 1L
JE06001	140	208L
JE06004	140	20L (PAIL)
JE06008	140	4 x 4L
JE06009	140	12 x 1L
JE05401	80W	208L
JE05404	80W	20L (PAIL)
JE05408	80W	4 x 4L
JE05409	80W	12 x 1L



## GEAR LS/4x4

Extreme pressure gear oil for axles equipped with limited slip differential systems. It provides maximum protection in highly loaded gears subjected to shocks and seal and friction material compatibility. Suitable for vehicles' axles equipped with limited slip disc differential systems and for "all wheel drive", "all terrain" cars.

API GL-5; MIL-L-2105D; ZF TE-ML 05C, TE-ML 12C, TE-ML 16E

CODE	GRADE /SAE	PACKAGING
JE06501	90 (85W-90)	208L
JE06504	90 (85W-90)	20L (PAIL)
JE06509	90 (85W-90)	12 x 1L



## ATF S-DCT

Fully synthetic, multi-vehicle dual clutch transmission fluid (DCTF). It provides superior shear stability, increased friction durability and wear protection of gears and bearings. Its stable friction system ensures good shift quality over the life of the transmission giving a longer-lasting smooth shift feel to the driver, longer fluid life and extended drain intervals. It is suitable for use in passenger cars and vans with a wet dual clutch transmission. It meets the requirements of the major manufacturers: VW Group, Ford/Getrag, Volvo, Chrysler, Peugeot, Citroen and Mitsubishi.

Volkswagen Group (VW, Audi, SEAT & Skoda) [MY >2003], Ford, Magma PT (Getrag), Volvo, FIAT-Chrysler (FCA), Peugeot, Citroën, Mitsubishi [MY >2007] w/ 6-Speed Wet-Type DCT

CODE	GRADE /SAE	PACKAGING
JE07009	—	12 x 1L



## ATF CVT NS-2/-1

ATF CVT NS-2/-1 is a very carefully designed synthetic oil for most CVT gearboxes. It meets Nissan's NS-2 & NS-1 specifications. It offers outstanding anti-wear protection, stable friction characteristics and improved anti-shudder durability. It is suitable for continuously variable transmissions, using steel push belts or chains of a wide range of CVT-equipped passenger vehicles. It is not recommended for Hybrid E-CVT and Toroidal CVTs.

Volkswagen Group (TL 52180, G 052 180, G 052 516), Dodge/Jeep (NS-2/CVTF+4), Ford (CVT23, CVT30, Mercon C), GM/Saturn (DEX-CVT), Honda (HMMF, HCF-2), Hyundai/KIA (SP-CVT 1), Mini Cooper (EZL 799A), Mitsubishi (CVTF-J1), Nissan (NS-1, NS-2), Punch (EZL 799A), Subaru (Lineartronic CVTF), Suzuki (TC, NS-2, CVT Green 1), Toyota (TC)  
Meets: MB 236.20, Shell Green 1V

CODE	GRADE /SAE	PACKAGING
JE07509	—	12 x 1L



## ATF S-1A

A high performance, fully synthetic, multi-vehicle automatic transmission fluid specifically formulated for Japanese passenger and light commercial vehicles. It offers excellent anti-shudder durability, which improves driver comfort and enables smoother shifting. The film thickness and antiwear performance is maintained, helping to reduce the cost of maintenance and extending the transmission lifetime. It is suitable for most European and Asian passenger cars, commercial vehicles and off-highway/construction equipment where automatic transmissions and power steering are required. It can be, also, used as a hydraulic oil in older vehicles.

GM Dexron IIIH, Dexron IIIG, Dexron IID; Allison TES 295, TES 389, C-4; Ford Mercon®V; JASO 1-A; MAN 339 Type V1, 339 Type V2, 339 Type Z1, 339 Type Z2, 339 Type Z11; MB 236.1, MB 236.2, MB 236.3, MB 236.5, MB 236.6, MB 236.7, MB 236.9, MB 236.10, MB 236.11, MB 236.12, MB 236.14, MB 236.15, MB 236.41, MB 236.81; Voith H55.6335, H55.6336; Volvo 97340, 97341; ZF TE-ML 03D, 04D, 05L, 09, 11A, 11B, 14A, 14B, 16L, 20B; Honda/Acura ATF-Z1 (not CVT); DW-1; Hyundai/KIA SP-II, SP-III, JWS 3314, JWS 3317, Red-1, SP-IV, SPH-IV, SP-IV-RR; Hyundai NWS-9638; Toyota T, T-II, T-III, T-IV, WS (JWS 3324); Nissan 402, Matic-D, J, K; Mitsubishi SP-II, SP-III, Diaqueen ATF J3, J2; MOPAR AS68RC; Idemitsu K17 (JATCO), JWS 3309, JWS 3324 (Aisin Warner); Mazda ATF-M III, ATF-MV, FZ; Subaru ATF, ATF-HP; Suzuki 3314, 3317; VW G 052 162, G 052 990, G 055 025, G 055 540, G 055 005, G 055 162; Audi G 052 162, G 052 990, G 055 025, G 055 005, G 055 162; BMW 3 Series 7045E, BMW 5 Series LA 2634, LT 71141, 83 22 0 142 516; PSA AL-4; NAG 1/Shell 3403; Renault DP-0; Volvo 4-/6-Speed

CODE	GRADE /SAE	PACKAGING
JE08001	—	208L
JE08008	—	4 x 4L
JE08009	—	12 x 1L





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## ATF TYPE D

High quality automatic transmission gear oil in accordance with General Motors' specification Dexron III. It enables effective and smooth power transmission due to viscosity stability and the special friction characteristics it employs. It can be used under high temperature and/or load conditions. Suitable for use in automatic/manual transmissions, clutches and steering systems in various machinery, passenger cars, trucks, construction equipment etc., in accordance to the manufacturer's recommendations.

**GM Dexron IIIG, Dexron IID; Allison C-4; Ford Mercon®; MB 236.1, MB 236.5, MB 236.6, MB 236.7, MB 236.9; Voith 55.6335; ZF TE-ML 02F, 03D, 04D, 14A, 17C; Caterpillar TO-2; MAN 339 Type Z-1, 339 Type Z-2, 339 Type V-1, 339 Type V-2**  
**Suitable: Volvo 97340, 97341**

CODE	GRADE /SAE	PACKAGING
JE09001	—	208L
JE09004	—	20L (PAIL)
JE09008	—	4 x 4L
JE09009	—	12 x 1L



## ATF TYPE A

Especially formulated lubricant for automatic transmissions meeting General Motors' TASA (Type A Suffix A) level requirements. Suitable for automatic and semi-automatic transmissions and other cases, according to the manufacturer's recommendations.

**GMTASA; Allison C-3; MB 236.2; Caterpillar TO-2**

CODE	GRADE /SAE	PACKAGING
JE08501	—	208L
JE08504	—	20L (PAIL)
JE08508	—	4 x 4L
JE08509	—	12 x 1L



ATF

# SPECIAL PRODUCTS

## AUTOMOTIVE SPECIAL PRODUCTS

The overall protection of the vehicle and the prolongation of its engine's life being of paramount importance, Cyclon series of complementary, special automotive products will make sure just that; our high quality coolants, power steering and suspension fluids, brake fluids and , windscreen cleaners are intended to offer longer engine life and to protect your vehicle.

**Cyclon SPECIAL automotive fluids –  
manufactured in the EU – stand for superior  
engine and vehicle protection.**









## ADBLUE

High cleanliness, ready-to-use diesel exhaust fluid (DEF) of 32.5% urea in ultra pure water (AUS32). It is used as an additive in heavy duty truck and bus diesel engines that are equipped with selective catalytic reduction systems with the objective to reduce the engine nitrogen oxides (NOx). It is suitable for Euro IV, V and Euro VI engines. NOT to be added in the fuel tank. It is stored in steel tanks next to the fuel tank and is sprayed directly into the exhaust gases pipe. Its consumption is, typically, between 2-7% (depending on the Euro standard to be covered) of the fuel consumption.

ISO 22241; DIN 70070

CODE	GRADE /SAE	PACKAGING
CAB0120	—	20L (PAIL)
CAB0110	—	10L (PAIL)



## RADIATOR

Concentrated antifreeze coolant, providing protection against the cold of winter and the heat of summer depending on its dilution in de-ionized water. It contains mono-ethylene glycol and corrosion inhibitors and provides excellent aluminum corrosion protection and heat transfer properties. It is suitable for both diesel and gasoline-powered, liquid-cooled engines and other closed water circuits operating under extreme temperature conditions.

SAE J1034; ASTM D3306, D4985; B.S. 6580:2010; AFNOR NF R15-601; CUNA NC 956-16; UNE 26361-88; FFV Heft R443

CODE	GRADE /SAE	PACKAGING
CC01001	—	208L
CC01004	—	20L (PAIL)
CC01008	—	4 x 4L
CC01009	—	12 x 1L



## RADIATOR LL (G12+)

A nitrite-, amine-, phosphate-, silicate- and borate-free coolant based on ethylene glycol. It contains OAT corrosion inhibitors that effectively protect the vital parts of the cooling system against corrosion and deposits for a very long time. It must be diluted with water before use. It exceeds the requirements of all major car manufacturers. Mixed with water, it provides for outstanding protection against frost, corrosion and heating in all modern vehicles, especially those with aluminium engines. It provides effective protection for long periods. Suitable for heavy trucks (650,000km) and passenger cars (250,000km). A 50% dilution provides frost protection down to -40°C.

BS 6580:2010; VW TL-774D, TL-774F; GM 6277; Ford WSS-M97B44; MB 325.3; MAN 324 Type SNF; MTU MTL 5048; Volvo 1286083

CODE	GRADE /SAE	PACKAGING
CC01501	—	208L
CC01504	—	20L (PAIL)
CC01508	—	4 x 4L
CC01509	—	12 x 1L



## RADIATOR LL G13

G13 coolant is a new technology, very long life undiluted coolant based on organic inhibitors in combination with mineral inhibitors (silicate) , high purity MEG and Glycerin. Hence it delivers not only maintenance-free protection against freezing and boiling but also long-lasting protection against corrosion It is suitable for the protection of all modern aluminum circuits of professional and passenger vehicles. It can be mixed with all coolants meeting the G12++ (VW TL 774 G) specification. Replace every 3 to 5 years.

BS 6580; ASTM D3306; VW TL-774J  
P/N: VW G 013 A8J 1G, G 013 A8J M1; MB 000 989 28 25, MB 000 989 28 25 11;  
Porsche 000 043 301 47  
Compatible: G12++, G12+, G12, G11

CODE	GRADE /SAE	PACKAGING
CC02001	—	208L
CC02004	—	20L (PAIL)
CC02008	—	4 x 4L
CC02009	—	12 x 1L





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## CYCLONFLU LL (G12+)

Ready-to-use, long life antifreeze, recommended for all cooling circuits in modern aluminium or cast iron engines in passenger cars, vans, heavy trucks and construction equipment. It provides freezing protection down to -40°C.

**BS 6580:2010; VW TL-774D, TL-774F; GM 6277; Ford WSS-M97B44; MB 325.3; MAN 324 Type SNF; MTU MTL 5048; Volvo 1286083**

CODE	GRADE /SAE	PACKAGING
CC02508	—	4 x 4L
CC02509	—	12 x 1L



## CYCLONFLU LL G13

CYCLONFLU LL G13 coolant is a new technology, very long life ready-to-use coolant, based G13 and deionized water. It is suitable for the protection of all modern aluminium circuits of professional and passenger vehicles. It can be mixed with all coolants meeting the G12++ (VW TL 774 G) specification.

**BS 6580; ASTM D3306; VW TL-774J**  
**P/N: VW G 013 A8J 1G, G 013 A8J M1; MB 000 989 28 25, MB 000 989 28 25 11; Porsche 000 043 301 47**  
**Compatible: G12++, G12+, G12, G11**

CODE	GRADE /SAE	PACKAGING
CC03001	—	208L
CC03004	—	20L (PAIL)
CC03008	—	4 x 4L
CC03009	—	12 x 1L



## CYCLONFLU PLUS

Ready-to-use solutions of Radiator in de-ionized water. It provides frost protection down to -21°C. It is suitable for all radiators, including modern aluminium ones, in both diesel and gasoline-powered vehicles.

**SAE J1034; ASTM D3306, D4985; B.S. 6580:2010; AFNOR NF R15-601; CUNA NC 956-16; UNE 26361-88; FFV Heft R443**

CODE	GRADE /SAE	PACKAGING
CC03501	—	208L
CC03504	—	20L (PAIL)
CC03508	—	4 x 4L
CC03509	—	12 x 1L



## CYCLONFLU

Ready-to-use solutions of Radiator in de-ionized water. It provides frost protection down to -15°C. It is suitable for all radiators, including modern aluminium ones, in both diesel and gasoline-powered vehicles.

**SAE J1034; ASTM D3306, D4985; B.S. 6580:2010; AFNOR NF R15-601; CUNA NC 956-16; UNE 26361-88; FFV Heft R443**

CODE	GRADE /SAE	PACKAGING
CC04008	—	4 x 4L
CC04009	—	12 x 1L



## FLUSHING OIL

Special solvent-free, detergent/dispersant formula fluid, designed to clean engines (with/without aftertreatment systems) – as well as manual gearboxes and differentials -prior to oil change.

CODE	GRADE /SAE	PACKAGING
Jl13001	—	208L
Jl13008	—	4x4L



## DISTILLED WATER

It is especially treated in ion exchange columns to remove the salts and chlorine contents. Ideal for topping up car batteries, radiators and screen washers.

CODE	GRADE /SAE	PACKAGING
M000438	—	4 x 4L



## L.H.M. FLUID

Special fluid manufactured for use in central hydraulic systems of Citroen and Peugeot cars. To be used only in hydraulic reservoirs painted green. Not to be used in hydraulic reservoirs painted black, where synthetic LHS fluids or vegetable oils are used. It is not compatible with DOT brake fluids. It is suitable for the brakes, power steering, suspension and shock absorbers of the PSA Group (Peugeot and Renault) cars.

ISO 7308; PSA B71.2710

CODE	GRADE /SAE	PACKAGING
M000897	—	12 x 1L



## BRAKE FLUID 4

Synthetic fluid with special additives designed to optimise the operation of the brake system. DOT 4 is especially formulated to offer increased safety against water contamination that can result in a lower operational efficiency of the brake system. It is suitable for every brake system, which utilises synthetic brake fluids (not mineral oils) and requires DOT 4. It should not be mixed with either brake fluids based on mineral oils or DOT 5 brake fluids.

SAE J1703; FMVSS No. 116 (§571.116)

CODE	GRADE /SAE	PACKAGING
M001118	—	48 x 250ML



## BATTERY FLUID

It is especially treated in ion exchange columns to remove the salts and chlorine contents. Suitable for filling up car batteries.

CODE	GRADE /SAE	PACKAGING
M000517	—	48 x 500ML



## CLEAN CLASS WINTER

Special windscreen cleaning fluid containing cleaning agents diluted in de-ionized water and ethyl alcohol, and in different dilution ratios that vary with ambient temperatures.

CODE	GRADE /SAE	PACKAGING
C040718	—	24 x 300ML



## CLEAN GLASS SUMMER

Special windscreen cleaning fluid containing cleaning agents diluted in de-ionized water.

CODE	GRADE /SAE	PACKAGING
C040818	—	24 x 300ML





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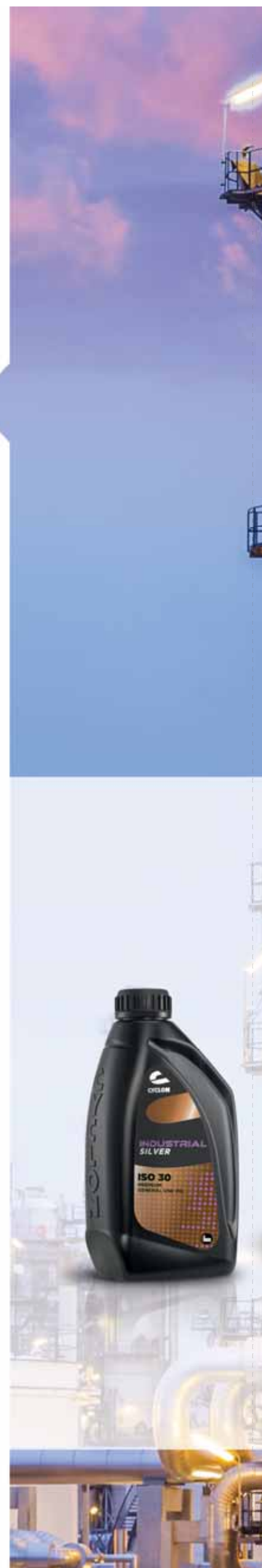
**SPECIAL  
PRODUCTS**

INDUSTRIAL

## INDUSTRIAL LUBRICANTS

Cyclon INDUSTRIAL series of lubricants surpass the very different requirements of all core industrial segments systems due to our 35 years of hands-on experience developing superior technology lubricants. Our comprehensive product range is engineered to meet high levels of performance in a variety of industrial applications (from hydraulics and compressors to pneumatic tools and greases, for example), to ensure minimal operational or maintenance costs and avoid undesirable breakdowns.

**INDUSTRIAL oils – manufactured in the EU – stand for superior performance and overall equipment reliability for your peace of mind.**









## INDUSTRIAL TITANUS EP

High quality, heavy duty, lead-free gear lubricants with extreme pressure (EP) additives. A specially balanced additive system provides extreme pressure and anti-wear protection, rust and corrosion prevention, increased oxidation stability and resistance to foaming. It also provides excellent load-carrying capacity. They are recommended for all types of enclosed gear drives. They are suitable for both circulation and splash lubrication systems and are particularly recommended for gear sets operating under heavy or shock loads.

**AIST (U.S. Steel) 224; David Brown S1.53.101; ISO 6743-6 (ISO-L-CKB, ISO-L-CKC, ISO-L-CKD, ISO-L-CKG); DIN 51517 Part 3 CLP; ANSI (AGMA) 9005-E02**

CODE	GRADE /SAE	PACKAGING
J100501	68	208L
J105004	68	20L (PAIL)
J101001	100	208L
J101004	100	20L (PAIL)
J101501	150	208L
J101504	150	20L (PAIL)
J102001	220	208L
J102004	220	20L (PAIL)
J102501	320	208L
J102504	320	20L (PAIL)
J103001	460	208L
J103004	460	20L (PAIL)
J103501	680	208L
J103504	680	20L (PAIL)
J104001	1000	208L



## INDUSTRIAL TITANUS EP SYNPAO

Premium tier, fully synthetic industrial gear oils formulated to deliver a high level of microscopic wear resistance and bearing protection. They are formulated with a specially selected PAO-based basestock and a top of the class additive system that will provide outstanding thermal stability and high load-carrying capacity. Compatible with the elastomers and paints found in modern gearbox designs.

**DIN 51517-3 (2008/11), DIN 51502; ISO 6743-6 (ISO-L-CKC/-CKD), ISO 12925-1 CKC, CKD (2002); AIST (U.S. Steel) 224 (Updated); David Brown S1.53.101; AGMA 9005-E02 (2002) EP Oils**

**Meets: Siemens MD (Flender), Müller Weingarten GmbH (Schuler Pressen), Fives (Cincinnati Milacron) EP GO; Brugger Test (>65 N/mm<sup>2</sup>)**

CODE	GRADE /SAE	PACKAGING
J104501	220	208L
J104504	220	20L (PAIL)
J105001	320	208L
J105004	320	20L (PAIL)



## INDUSTRIAL CYBIO-GEAR

High performance, synthetic biodegradable lubricants for enclosed industrial gears and bearings in environmentally sensitive applications.

**ISO 15380 (HEES); Ecolabel-Certifiable**

CODE	GRADE /SAE	PACKAGING
J105501	220	208L
J105504	220	20L (PAIL)
J106001	320	208L
J106004	320	20L (PAIL)





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## INDUSTRIAL LEDA

Advanced bearing and circulating oil formulated to provide outstanding service in many hydraulic applications that do not require anti-wear protection. They contain anti-rust and anti-foam agents and exhibit excellent demulsibility properties. They are appropriate for the lubrication of bearings, vacuum pumps and industrial gears where the highest thermal stability is required. Recommended for the lubrication of plain and rolling bearings as well as for lightly loaded spur, bevel, helical and worm gears.

DIN 51524 Part 1 HL, 51517 Part 1 CL; ISO 6743-4 (ISO-L-HL), 6743-6 (ISO-L-CKB)

CODE	GRADE /SAE	PACKAGING
Jl08001	100	208L
Jl08004	100	20L (PAIL)
Jl08501	150	208L
Jl08504	150	20L (PAIL)
Jl09001	220	208L
Jl09004	220	20L (PAIL)
Jl09501	320	208L
Jl09504	320	20L (PAIL)
Jl10001	460	208L
Jl10004	460	20L (PAIL)



## INDUSTRIAL SILVER

Premium quality pure paraffinic mineral lubricants with good viscosity retention properties due to their high viscosity index. They do not contain additives. Suitable for general tool lubrication where a simple (without additives) mineral oil is adequate. It is suitable for wooden casts (special forms for concrete shaping).

CODE	GRADE /SAE	PACKAGING
Jl10501	10W	208L
Jl10505	10W	15L
Jl10508	10W	4 x 4L
Jl10509	10W	12 x 1L
Jl11001	30	208L
Jl11005	30	15L
Jl11008	30	4 x 4L
Jl11009	30	12 x 1L



## INDUSTRIAL PREMIUM

High viscosity index lubricants fortified with anti-oxidant, anti-corrosion, anti-foaming and anti-freezing additives. They resist deposit formation and protect metal surfaces from rust and corrosion. Suitable for general machinery lubrication and low load hydraulic and circulating systems.

CODE	GRADE /SAE	PACKAGING
Jl11501	10W	208L
Jl11504	10W	20L (PAIL)
Jl11508	10W	4 x 4L
Jl11509	10W	12 x 1L
Jl12001	30	208L
Jl12004	30	20L (PAIL)
Jl12008	30	4 x 4L
Jl12009	30	12 x 1L
Jl12501	40	208L
Jl12504	40	20L (PAIL)
Jl12508	40	4 x 4L
Jl12509	40	12 x 1L



## INDUSTRIAL HYDRAULIC

High quality oils with extreme pressure (EP) additives for hydraulic systems. They provide outstanding protection against wear, corrosion and oxidation. The careful use of additives ensures quick air release without excessive foaming, good chemical stability in the presence of moisture and superior filterability.

**DIN 51524 Part 2 HLP; Parker (Denison) HF-0, HF-2, HF-1; AFNOR NFE 48-603 HM; Vickers M-2950-S, I-286-S; Eaton 35VQ25; Fives (Cincinnati Milacron) P68 (ISO 32), P69 (ISO 68), P70 (ISO 46); ISO 11158 HM (CETOP RP 91 H); ISO 6743-4 (ISO-L-HM); Bosch Rexroth RE 90220; SAE MS 1004 (HM); JCMAS P041 HK; ANSI (AGMA) 9005-E02-RO; GM LS-2; AIST (U.S. Steel) 126, 127; SEB 181222**

CODE	GRADE /SAE	PACKAGING
J115401	22	208L
J115404	22	20L (PAIL)
J115501	32	208L
J115504	32	20L (PAIL)
J116001	46	208L
J116002	46	60L
J116004	46	20L (PAIL)
J116006	46	10L (PAIL)
J116008	46	4 x 4L
J116501	68	208L
J116504	68	20L (PAIL)
J116508	68	4 x 4L
J117001	100	208L
J117004	100	20L (PAIL)
J117501	150	208L
J117504	150	20L (PAIL)



## INDUSTRIAL HYDRAULIC SP

Premium quality, high viscosity index, anti-wear hydraulic oils designed to meet the all-season requirements of major hydraulic system manufacturers and users. The high VI and low pour points ensure pump start-up at low temperatures while maintaining oil viscosity at high operating temperatures. The viscosity retention provides effective anti-wear protection to pumps even in severe service hydraulic applications of high pressure and wide temperature variations.

**DIN 51524 Part 3 HVLP; ISO 6743-4 (ISO-L-HV); Parker (Denison) HF-0, HF-2; AFNOR NFE 48-603 HV; Vickers M-2950-S, I-286-S; Case IH Poclair**

CODE	GRADE /SAE	PACKAGING
J118001	15	208L
J118004	15	20L (PAIL)
J118501	32	208L
J118504	32	20L (PAIL)
J119001	46	208L
J119004	46	20L (PAIL)
J119501	68	208L
J119504	68	20L (PAIL)
J120001	100	208L
J120004	100	20L (PAIL)



## INDUSTRIAL HYDRAULIC ZF

Very high purity, zinc-free hydraulic oils with excellent demulsification properties, resistance to ageing, corrosion protection and anti-wear properties.

**Parker (Denison) HF-0, HF-1, HF-2; ISO 6743-4 (ISO-L-HM); DIN 51524 Part 2 HLP; AFNOR NFE 48-603 HM; SS 155434; VDMA 24318; SEB 181222; AIST (U.S. Steel) 127, 136**

CODE	GRADE /SAE	PACKAGING
J120501	32	208L
J120504	32	20L (PAIL)
J121001	46	208L
J121004	46	20L (PAIL)
J121501	68	208L
J121504	68	20L (PAIL)





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## INDUSTRIAL CYBIO-HFE

Fully synthetic, zinc-free, rapidly biodegradable, high-performance hydraulic fluid. It is suitable for hydraulic systems in environmentally sensitive shore/offshore applications.

ISO 15380 (HEES); Ecolabel-Certifiable

CODE	GRADE /SAE	PACKAGING
Jl22001	46	208L
Jl22004	46	20L (PAIL)
Jl22501	68	208L
Jl22504	68	20L (PAIL)



## INDUSTRIAL HERCULES

High quality compressor oils of VDL type with low evaporation losses, as defined by DIN 51506. They have very high thermal and oxidation stability resulting to low coking tendencies and excellent ageing resistance. They are fortified with zinc-free anti-wear additives ensuring excellent wear protection and very good filterability. The grades ISO 46 and 68 are particularly recommended for rotary screw and vane air compressors. The grades ISO 68 to 100 are suitable for use in any single- or multi-stage reciprocating compressors.

DIN 51506 VDL (air exhaust 220°C); ISO 6743-3 (ISO-L-DAA, ISO-L-DAB, ISO-L-DAG, ISO-L-DAH)

CODE	GRADE /SAE	PACKAGING
Jl23001	32	208L
Jl23004	32	20L (PAIL)
Jl23501	46	208L
Jl23504	46	20L (PAIL)
Jl24001	68	208L
Jl24004	68	20L (PAIL)
Jl24501	100	208L
Jl24504	100	20L (PAIL)



## INDUSTRIAL HERCULES SYNPAO

Premium quality, fully synthetic compressor oils. They provide superb protection against deposits formation, rust and oxidation, low evaporation losses and low tendency for the build-up of residue. They offer excellent oxidation resistance and superior cleanliness over long service periods. They are suitable for screw, rotary, vane and centrifugal stationary and mobile air compressors. They can be used for single-stage as well as multi-stage compressors. They exceed the requirements of all major air compressor OEMs, such as Atlas Copco, Bauer, Ingersoll Rand, etc.

DIN 51506 VDL; ISO 6743-3 (ISO-L-DAG, ISO-L-DAH, ISO-L-DAJ)

CODE	GRADE /SAE	PACKAGING
Jl25501	46	208L
Jl25504	46	20L (PAIL)
Jl26001	68	208L
Jl26004	68	20L (PAIL)



## INDUSTRIAL HERCULES SYNPOE

Premium quality, reciprocating air compressor lubricant based on high performance polyesters and incorporating the latest additive technology to provide outstanding performance in the most demanding applications. Formulated for all industrial reciprocating air compressors. Specially recommended for reciprocating compressors operating at continuously high pressures and high discharge temperatures.

DIN 51506 VDL; ISO 6743-3 (ISO-L-DAA, ISO-L-DAB, ISO-L-DAC)

CODE	GRADE /SAE	PACKAGING
Jl26501	100	208L
Jl26504	100	20L (PAIL)



## INDUSTRIAL HERCULES LPG

Synthetic polyalkylene glycol-based, compressor lubricant for use in enclosed reciprocating compressors operating in LNG/methane, ethane, LPG/propane/butane, ethylene, propylene, butadiene, ammonia, vinylchloride and dry inert gases environments.

**ISO 6743-3 (ISO-L-DAA, ISO-L-DAB, ISO-L-DAC)**  
Meets: Linde, Burckhardt Compression

CODE	GRADE /SAE	PACKAGING
JI25001	150	208L
JI25004	150	20L (PAIL)



## INDUSTRIAL TURBINE

Premium quality turbocharger oils designed to provide superior thermal and oxidative stability in severe service operations. They are formulated to provide all the performance requirements of a lubricant for use in modern steam and medium duty gas turbines. It has been designed to enable the higher oxidation performance required by modern turbine oil specifications including RPVOT and TOST requirements. They provide excellent anti-rust protection and anti-foam and water separation. Suitable for turbines in industrial and marine environments. They are, also, recommended for circulating systems requiring R&O oils, as well as in hydraulic systems requiring an R&O-type oil (low pressure).

**DIN 51515 LTD Part II; ISO 6743-5 (ISO-L-TGA, ISO-L-TSA); AGMA R&O; B.S. 489; Siemens TLV 9013 04; MIL-L-17672D**

CODE	GRADE /SAE	PACKAGING
JI28001	32	208L
JI28004	32	20L (PAIL)
JI28501	46	208L
JI28504	46	20L (PAIL)
JI29001	68	208L
JI29004	68	20L (PAIL)
JI29501	100	208L
JI29504	100	20L (PAIL)



## INDUSTRIAL ROCK DRILL

Heavy duty lubricants with extreme pressure and adhesion additives. Suitable for pneumatic and cool the mechanisms of air-operated rock drills used under high pressure/temperature conditions in quarries and construction works.

**ISO 6743-11**

CODE	GRADE /SAE	PACKAGING
JI30001	46	208L
JI30004	46	20L (PAIL)
JI30501	68	208L
JI30504	68	20L (PAIL)
JI31001	100	208L
JI31004	100	20L (PAIL)



## INDUSTRIAL HTO THERMO

Low viscosity lubricant with special anti-oxidation additives. Due to its high specific heat and heat conductivity coefficients, high heat transfer rates are possible. It is suitable for heat transfer systems operating between 10°C and 320°C. It is to be used in closed-circulated heat transfer systems in industrial applications, such as in the process industry, chemical plants, textile productions, etc. It can, also, be used for steel quenching processes.

**ISO 6743-12**

CODE	GRADE /SAE	PACKAGING
JI31501	—	208L
JI31504	—	20L (PAIL)





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## INDUSTRIAL MATRIX

General purpose, water-miscible cutting fluid concentrate. When mixed with water, it forms a milky white emulsion. The product must be stored in a cool place. It should always taken into consideration that the mixing is done by adding the oil in the water and not vice versa. Suitable for all general purpose machining operations of a wide variety of steel and non steel alloys where cooling is essential to the operation. The usual mixing ratio with water is 5%.

ISO 6743-7 (ISO-L-MAA)

CODE	GRADE /SAE	PACKAGING
Jl32001	—	208L
Jl32004	—	20L (PAIL)



## INDUSTRIAL STEELCUT

Multi-purpose, EP, neat cutting oil. It consists of a highly refined mineral oil and chlorine-free extreme pressure additives. It is suitable for a variety of operations: milling, turning, deep hole drilling of medium and high tensile steel alloys and cast iron.

ISO 6743-7 (ISO-L-MHD)

CODE	GRADE /SAE	PACKAGING
Jl32501	—	208L
Jl32504	—	20L (PAIL)



## INDUSTRIAL ALUCUT

High quality, multi-purpose, neat, cutting oil. It consists of a highly refined mineral basestock and an advanced chlorine-free, extreme pressure, "inactive sulphur" additive package. It is suitable for a variety of metalworking operations, such as gear cutting, high speed hobbing, thread grinding, milling and honing on a variety of non-ferrous (e.g. copper, bronze, etc.) and low medium tensile steel metal applications.

ISO 6743-7 (ISO-L-MHC)

CODE	GRADE /SAE	PACKAGING
Jl33001	—	208L
Jl33004	—	20L (PAIL)



## INDUSTRIAL AXEL

Heavy duty lubricants based on highly refined mineral oils that contain additives to enhance tackiness, anti-wear behavior and stick-slip characteristics. Specially designed for the lubrication of machine tool slides and tables. They are suitable for machine tool slideways operating under extreme pressure and high temperature conditions. ISO 68 can also be used as a hydraulic fluid in case of common lubrication systems.

DIN 51524 Part 2 HLP; ISO 6743-13

CODE	GRADE /SAE	PACKAGING
Jl33501	68	208L
Jl33504	68	20L (PAIL)
Jl34001	220	208L
Jl34004	220	20L (PAIL)

# INDUSTRIAL INDUSTRIAL LUBRICANTS



## INDUSTRIAL SUPER LIFT

Special lubricant for the hydraulic system employed in elevators. They ensures the smooth and consistent performance of the system and provide excellent air release properties. Recommended for all types of hydraulic lifts.

DIN 51524 Part 2 HLP

CODE	GRADE /SAE	PACKAGING
JI34501	46	208L
JI34504	46	20L (PAIL)
JI35001	68	208L
JI35004	68	20L (PAIL)



## INDUSTRIAL METALFLUID

High viscosity index monograde lubricant. It is a special product suitable for the lubrication of metal casts.

CODE	GRADE /SAE	PACKAGING
JI40005	—	15L



## INDUSTRIAL ELECTRO

A non-inhibited insulating oil manufactured from high quality naphthenic feedstocks. It offers good dielectric properties, good oxidation stability and provides efficient heat transfer. It has excellent low temperature properties achieved without the use of pour point depressants. It is suitable for high voltage transformers, switchgears and other electrical equipment.

B.S. 148 Class I; IEC 296 Class I/II, 60296 Ed. 4 (2012)

CODE	GRADE /SAE	PACKAGING
JI35501	—	208L
JI35504	—	20L (PAIL)



## INDUSTRIAL WHITE OIL

Pharmaceutical white oils made by high quality, extremely refined paraffinic oils. They are aromatic-free paraffinic oils complying to the very strict Pharmacopoeia purity requirements. They are suitable for use in the production of medicines, cosmetics, the food industry and other applications that require extremely clean base oils.

FDA CFR 178.3570 (NSF H1), CFR 172.878 (NSF H3), CFR 178.3620a; InS H1/3H Meets: FUI XI; DAB 10; U.S. Pharmacopoeia XXX; NF XXV; BP 2005; Eur. Ph. V Ed.

CODE	GRADE /SAE	PACKAGING
JI36001	15	208L
JI36004	15	20L (PAIL)
JI36501	32	208L
JI36504	32	20L (PAIL)
JI37001	68	208L
JI37004	68	20L (PAIL)



## INDUSTRIAL WHITE OIL (TECH.)

Highly refined, light viscosity, paraffinic oil of non-staining performance. Blended from highly refined mineral oils, it is used as a lubricant in textile applications, in the paper industry, as a process oil in the food industry, or any other industry where the oil must not cause a stain.

FDA CFR 178.3620b, CFR 178.3620c

CODE	GRADE /SAE	PACKAGING
JI37501	15	208L
JI37504	15	20L (PAIL)





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## INDUSTRIAL COMET

Naphthene-based refrigerating oils meeting the requirements defined by DIN 51503 type KC/KA, with very high thermal stability and very good low temperature viscosity. Suitable for the lubrication of coolant compressors (reciprocating or rotary) operating with ammonia or halogenated hydrocarbons. They can be used with all types of CFC (chlorofluorocarbon) refrigerants, such as R12, R22, R502.

**DIN 51503 KAA, 51503 KA, 51503 KC; ISO 6743-3 (ISO-L-DRA); B.S. 2626/75**  
**Meets: Bock, Howden, York, Grasson, Carrier, Sabroe**

CODE	GRADE /SAE	PACKAGING
JI38001	46	208L
JI38004	46	20L (PAIL)
JI38501	68	208L
JI38504	68	20L (PAIL)



## INDUSTRIAL COMET SYNPOE

High efficiency, high environmental awareness, fully synthetic refrigerating lubricant. It is produced by poly-oleo-ester base oils and a balanced additive package to ensure excellent lubricity, anti-wear protection and thermal/chemical stability. It is ideally suitable for all new-type hydrofluorocarbon (HFC) refrigerants (R134a, R404a, R407c, R410a/b, etc.), and for domestic or industrial application environments.

**DIN 51503 KD; ISO 6743-3 (ISO-L-DRD)**  
**Meets: Bock, Howden, York, Grasson**

CODE	GRADE /SAE	PACKAGING
JI39004	68	20L (PAIL)



## INDUSTRIAL COMET SYNALB

Fully synthetic (alkyl benzene-based) refrigeration compressor lubricant, providing for superior miscibility with ammonia (R717), CO2 (R744), propane (R290) as well as with HCFC (R22) and CFC (R12) refrigerants, and for uses in extremely low temperatures.

**DIN 51503 KC, 51503 KE; ISO 6743-3 (ISO-L-DRE)**  
**Meets: Bitzer, Bock, York, Sabroe, Bauer, Sauer & Sohn**

CODE	GRADE /SAE	PACKAGING
JI39504	68	20L (PAIL)



## INDUSTRIAL CYBIO-STETUB

Fully synthetic (ester-based) biodegradable/non-bioaccumulative lubricant, intended for the lubrication of the stern tube system, according to the requirements of U.S. EPA (2013 VGP).

**Ecolabel-Certifiable; U.S. EPA VGP (2013)-Compliant**

CODE	GRADE /SAE	PACKAGING
JS05501	100	208L
JS06001	150	208L

# GREASE

## GREASES

Cyclon GREASES series surpass the very different requirements of a wide range of applications, where steady point lubrication of points is required. The full range of products is designed to meet high performance levels in a variety of applications (centralized lubrication systems of cars and trucks, wheel bearings, bushings, cotton pick machines etc.), in order to ensure minimum maintenance and operating costs and avoid the undesirable break downs.

**Cyclon GREASES series – manufactured in the EU  
– stands for superior performance and overall  
equipment reliability.**







100  
95  
75  
25  
5  
0

# GREASE GREASES



## AUTOGREASE

Lithium-based grease, fortified with EP additives, for centralized lubricating systems of cars and trucks. It is easily pumped over long distances under various temperature conditions.

**DIN 51826 GP00K-20**

CODE	GRADE/NLGI	PACKAGING
M035426	00	15KG (PAIL)
M035427	00	4 x 4,5KG



## COTTON GREASE

Lithium-based grease with antioxidant and corrosion inhibitors. Specially designed for the lubrication of cotton-picking machinery.

**DIN 51826 G00K-20**

CODE	GRADE/NLGI	PACKAGING
M028125	00	180KG
M028126	00	15KG (PAIL)



## GREASE CA

Calcium base greases suitable for the general lubrication of cars (chassis) and for applications where machinery comes in contact with water (at low speeds), i.e. water and waste water handling pumps, outdoors installations of machinery and equipment, etc.

**NLGI 2: DIN 51825 K2E-10**

**NLGI 3: DIN 51825 K3E-10**

CODE	GRADE/NLGI	PACKAGING
M027825	2	180KG
M027826	2	15KG (PAIL)
M027827	2	4 x 4,5KG
M027925	3	180KG
M027926	3	15KG (PAIL)
M027927	3	4 x 4,5KG



## GREASE LI

Lithium base grease with oxidation and corrosion inhibitors. Suitable for various applications in bearings and joints of cars and various industrial equipment.

**NLGI 2: DIN 51825 K2K-25**

**NLGI 3: DIN 51825 K3K-25**

CODE	GRADE/NLGI	PACKAGING
M028325	2	180KG
M028326	2	15KG (PAIL)
M028328	2	24 x 0,8KG
M028327	2	4 x 4,5KG
M028525	3	180KG
M028526	3	15KG (PAIL)
M028528	3	24 x 0,8KG
M028527	3	4 x 4,5KG



## GREASE LI EP

Lithium base greases with antioxidant and corrosion inhibitors and extreme pressure (EP) additives. Suitable for applications in bearings, joints, gears and other parts operating under high and/or shock loads.

**NLGI 2: DIN 51825 KP2K-25**

**NLGI 3: DIN 51825 KP3K-25**

CODE	GRADE/NLGI	PACKAGING
M028825	2	180KG
M028826	2	15KG (PAIL)
M028925	3	180KG
M028926	3	15KG (PAIL)





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## GREASE COMPLEX

A multi-purpose, high quality grease, based on a lithium complex soap. Formulated to provide excellent high temperature and high load performance. It can be used in wheel bearings and other applications with operating temperatures from -30°C up to 160°C.

DIN 51825 KP2P-30; ISO 6743-9: XCEIB (ISO-L- XCEIB)

CODE	GRADE/NLGI	PACKAGING
M039525	2	180KG
M039526	2	15KG (PAIL)



## GREASE MOLY

Lithium base grease with oxidation and corrosion inhibitors and 2% molybdenum disulfide (MoS<sub>2</sub>) that forms a permanent lubricating film on metals. It can be used instead of a grease with EP properties only. It is often used for the lubrication of inaccessible parts that tend to be forgotten during service work.

DIN 51825 KPF2K-25

CODE	GRADE/NLGI	PACKAGING
M028625	2	180KG
M028626	2	15KG (PAIL)
M028628	2	24 x 0,8KG



## GREASE GRAPHITE

High efficiency, lithium-based grease, fortified with antioxidation/anticorrosion agents and graphite to reduce friction and wear without adverse chemical reactions to the metal surfaces during heavy loading and slow speeds. Suitable for use in slow speed plain bearings and slides, where a heavy grease with solid lubricants is required, for industrial applications and mining and construction equipment, including bulldozers, scrapers, loading shovels and dump trucks.

DIN 51825 KPF2K-25

CODE	GRADE/NLGI	PACKAGING
M028725	2	180KG
M028726	2	15KG (PAIL)



## GREASE CY-WR/OG

Premium quality, lead- and solvent-free, full EP, specially thickened grease developed for the lubrication and protection of open gears, wire ropes/cables and hooks or joints that are exposed to extremes of ambient temperature and operating conditions.

DIN 51825 KPF2K-30

CODE	GRADE/NLGI	PACKAGING
JR05531	2	180KG
JR05536	2	15KG (PAIL)



## GREASE COMPLEX WTR

Advanced formulation grease based on a calcium sulphonate complex soap and a high quality EP/AW system for superior water resistance, antiwear performance and thermal stability in harsh, demanding (temperature- & load-wise) marine and industrial applications.

DIN 51825 KP2R-20

CODE	GRADE/NLGI	PACKAGING
JR06036	2	15KG (PAIL)



## CYBIO GREASE

Premium, rapidly biodegradable, synthetic grease based on lithium soap. Suitable for sensitive shore/offshore applications.

DIN 51825 KP2K-30; Ecolabel-Certifiable

CODE	GRADE/NLGI	PACKAGING
JR06531	2	180KG
JR06536	2	15KG (PAIL)





Marine lubricants fulfill practically any lubrication need of all vessels. Cyclon MCLs, SOs and TPEOs are certified with approvals by international marine engine manufacturers.

They can be delivered directly to any port of Greece. In addition, through international cooperations, CYCLON marine lubricants can be delivered in main ports abroad.

Cyclon marine lubes are continuously supported by our technical and laboratory experts and our suite of after-sales support services ID Lube Check®.

**Marine lubricants –manufactured in the EU- fulfill all lubrication needs of modern fleets**









# MARINE MARINE LUBRICANTS



## NAUTILUS LS

Cylinder oil (SAE 50, BN 40) of superior quality. Developed for two-stroke engines running in low sulphur heavy fuel oil (HFO). Specially formulated, it protects the piston ring and liner from wear without leaving any deposits. It is optimized for low sulphur (up to 1.5% weight) fuel.

MAN ES (NOL), WinGD

CODE	GRADE /SAE	PACKAGING
JS00501	50	208L



## NAUTILUS HEAVY XT

A novel technology, top quality cylinder oil of very high alkalinity reserves (TBN: 100) designed for the lubrication of marine cylinders of ultra low-speed, two-stroke marine diesel engines running on residual fuel. It ensures the effective neutralization of acids and protection of liner. It is suitable for the cylinder lubrication of very demanding crosshead marine diesel engines of new design (very long stroke) operating under "slow" steaming and burning residual fuel of high sulphur content (>2,0%).

MAN ES (NOL), WinGD

CODE	GRADE /SAE	PACKAGING
JS01001	50	208L



## NAUTILUS HEAVY

A superior quality cylinder oil of high alkalinity reserves (TBN: 70), designed for low speed crosshead diesel engines that run on residual fuel. Due to its high detergent/dispersant properties, it ensures the effective neutralization of acids and protection of liner. It exceeds the requirements of MDT, WARTSILA (SULTZER) for two-stroke low speed diesel engines running under conditions of high stress. Suitable for use with engines burning residual fuel with sulphur levels greater than 1.0%.

MAN ES (NOL), WinGD

CODE	GRADE /SAE	PACKAGING
JS01501	50	208L



## NAUTILUS MEDIUM

A high performance cylinder lubricant (MCL) designed for low-speed crosshead diesel engines operating on a wide range of residual fuels and having a sulphur content in the range of 1% to 3% by weight.

MAN ES (NOL), WinGD

CODE	GRADE /SAE	PACKAGING
JS02001	50	208L



## NAUTILUS VLS/25

Premium quality cylinder oil designed for two-stroke marine engines running on ultra low sulphur distillate fuels or/and natural gas (LNG), methanol, ethane and LPG. It has been developed for heavy-duty marine diesel engines operating in emission control areas (ECA) running on fuel with a very low sulphur content (up to 0.1% after January 1st 2015 in ECAs). It is highly recommended for two-stroke marine applications that demand the use of up to 0,5% sulphur fuel (outside ECAs).

MAN ES, WinGD

CODE	GRADE /SAE	PACKAGING
JS02501	50	208L





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## ARMOR MEDIUM 30

System oil for marine crosshead diesel engines with sufficient alkalinity to neutralise any strong acids, which may enter the crankcase from the combustion of fuel. It has enhanced load-carrying ability in order to reduce wear in heavily-loaded bearings. Recommended for use as a system oil in high-output, crosshead diesel engines, as well as a piston cooling medium. It can be used in small trunk piston engines whose fuel contains less than 0.5% in sulphur.

MAN ES (NOL), WinGD

CODE	GRADE /SAE	PACKAGING
JS03001	30	208L



## POSEIDON DT

High performance diesel engine oils developed for use in trunk piston engines operating on low sulphur distillate fuels in marine and industrial applications. The DT series is intended for use as cylinder and bearing lubricants in many types of medium- and high-speed engines operating on distillate fuels or light fuel blends.

MAN ES, Wärtsilä  
Meets: API CF

CODE	GRADE /SAE	PACKAGING
JS06501	30	208L
JS07001	40	208L



## POSEIDON SX

Premium quality marine diesel engine oils, designed for use in medium-speed trunk piston engines. They provide superior wear performance, cleanliness and stability on powertrains that operate on distillate fuels. They maintain engine efficiency. Suitable for highly-rated, medium-speed diesel engines operating under high load conditions and operating on distillate fuels of up to 2% sulphur content. They may, also, be used in other marine applications, including gears reduction systems, where specialist lubricants are not required.

MAN ES, Wärtsilä  
Meets: API CF

CODE	GRADE /SAE	PACKAGING
JS07501	30	208L
JS08001	40	208L



## POSEIDON TN

Premium quality marine diesel engine oils, designed for use in medium-speed trunk piston engines. They provide superior wear performance, cleanliness and stability on powertrains that operate on distillate fuels. They maintain engine efficiency. Suitable for highly-rated, medium-speed diesel engines operating under high load conditions and operating on distillate fuels of up to 2% sulphur content. They may, also, be used in other marine applications, including gears reduction systems, where specialist lubricants are not required.

MAN ES, Wärtsilä  
Meets: API CF

CODE	GRADE /SAE	PACKAGING
JS08501	30	208L
JS09001	40	208L



## POSEIDON HT

Specially designed crankcase lubricants for highly-rated, medium-speed, diesel engines operating on heavier fuels. Their high detergent potential provides excellent engine cleanliness, hence protecting vital parts of the engine from wear. Their use allows easy separation of contaminants in centrifugal separators. HT series are suitable for use in medium-speed diesel engines, in marine propulsion and power generation applications using fuel of higher sulphur contents. They are suitable for use in the most demanding highly-rated, turbocharged, medium-speed, diesel engines.

MAN ES (NOL), Wärtsilä (NOL)  
Meets: API CF

PRODUCT	CODE	GRADE /SAE	PACKAGING
HT/3030	JS03501	30	208L
HT/4030	JS04001	40	208L
HT/4040	JS04501	40	208L
HT/4050	JS05001	40	208L





LPC S.A is an industrial and commercial corporation, member of Motor Oil Hellas Group of companies, and a pioneer in the lubricants sector, being active in the production of base oils and the manufacture and marketing of packaged lubricants.

The main products of the company LPC base oils and CYCLON lubricants have international presence in more than 30 countries.

LPC S.A is widely known, both for the high quality of the production technologies and process innovations it employs, as well as for its commercial and professional consistency.





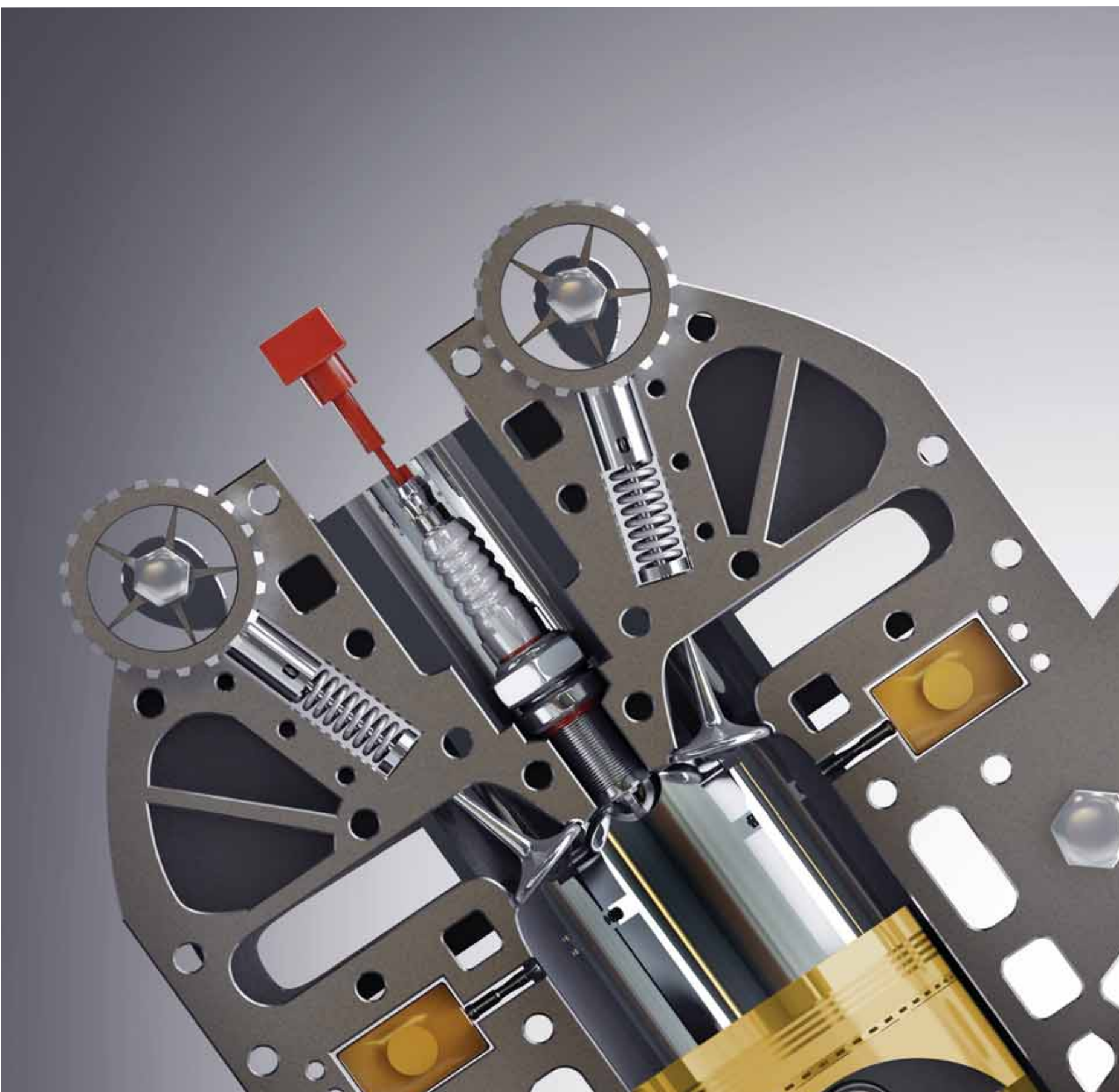
An impressive number of international and Greek companies trust our company for the production of their products.

The sole target of LPC is to ensure the overall satisfaction of its customers, utilizing a rapidly growing sales network and by offering top quality products and excellent services around the world.



## CERTIFIED QUALITY OF CYCLON LUBRICANTS





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