

moving things forward

PREMIUM LUBRICANT OIL
CONSTRUCTION
INDUSTRY

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INTRODUCTION

We provide a complete range of high quality marine lubricants that are designed to protect and enhance the efficiency of engines and equipment. All of our products are backed by our industry-leading technical support services and used oil testing services that enable optimal maritime operation.

Johnson Marine delivers the latest technology and state of oil Marine Grade Range. It covers main and minor grades of proven quality.

QUALITY ASSURANCE

Our Engines oils have excellent deposits and wear control and meets the demand of latest and highly rated engines designs as well as all other applications.

Our Two-Stroke engine oils range consist of system oil and known for low sulphur application

Our Four-Stroke engine oil offers different level of alkalinely-reserve and covers highly loaded engines at low lube oil consumption from distillate to heavy fuel operations.

We offer very high quality product range for ancillary machinery application a cooperation with one leading marine additive manufacturing, that is covering Hydraulic / Gear / Compressor / Turbine / Refrigeration / Grease, exclusive from Johnson.

SECTOR CHALLENGES

At JOHNSON we have developed a wide range of lubricants that cover all the lubrication needs in the marine world, both for engines and the rest of machinery on board.

We provide our clients with marine oils for 2-stroke and 4-stroke technology propulsion engines, as well as all the other lubricants and greases used in the vessel's diverse machinery.

We also supply biodegradable oils (EALs) for equipment that may pollute its environment, as well as for vessels sailing in waters where international VGP standards must be complied with. You'll find them differentiated as follows:



HEAVY DUTY MOTOR OILS



HEAVY DUTY MOTOR OILS

COSMO ULTRA DSL

COSMO ULTRA DSL SAE 10W-30 with LONG DRAIN Technology is heavy duty engine oil recommended for naturally aspirated and turbocharged four-stroke diesel engines in which the API CK-4 service category and SAE 10W-30 viscosity grade are recommended.

SAE 10W-30

Meets & Exceeds:

- API Service Categories CK-4
- Cummins CES 20086
- Daimler MB-Approval 228.31
- Detroit Fluids Specification (DFS) 93K222
- Ford WSS-M2C171-F1
- Mack EOS 4.5
- Renault RLD-3
- Volvo VDS-4.5

COSMO ULTRA 10000

COSMO ULTRA DSL SAE 10W-40 with LONG DRAIN Technology is a premium synthetic technology fuel economy and mixed fleet engine oil recommended for naturally aspirated and turbocharged four-stroke diesel engines and four-stroke gasoline engines in which the API CK-4 service category and SAE 10W-30 viscosity grade are recommended.

ISO :32/46/68/100

Meets & Exceeds:

- API Service Categories CK-4
- Cummins CES 20086
- Daimler MB-Approval 228.31
- Daimler MB-Approval 228.51
- Detroit Fluids Specification (DFS) 93K222
- DEUTZ DQC III-18 LA
- Mack EOS 4.5
- MTU Category 2.1
- Renault RLD-3
- Volvo VDS-4.5

COSMO ADV MOTOR OIL

COSMO ADV Motor Oil is recommended for use in two and four-stroke diesel engines in farm machinery, construction equipment, marine, and other off-highway applications where the SAE 40 grade is specified by the OEM.

SAE 40

Meets & Exceeds:

- API Service Categories CH-4
- Cummins CES 20086
- Daimler MB-Approval 228.31
- Daimler MB-Approval 228.51
- Detroit Fluids Specification (DFS) 93K222
- DEUTZ DQC III-18 LA
- Mack EOS 4.5
- MTU Category 2.1
- Renault RLD-3
- Volvo VDS-4.5

COSMO ULTRA DSL-SP

COSMO ULTRA DSL-SP SAE 0W-30 (Synthetic) is mixed fleet engine oil recommended for naturally aspirated and turbocharged four-stroke diesel engines and four stroke gasoline engines in which an SAE 0W-30 viscosity grade is recommended for cold weather startup and operation. It is formulated with the PAO technology.

SAE 0W-30

Meets & Exceeds:

- API Service Categories CK-4
- Cummins CES 20086
- Daimler MB-Approval 228.31
- Daimler MB-Approval 228.51
- Detroit Fluids Specification (DFS) 93K222
- DEUTZ DQC III-18 LA
- Mack EOS 4.5
- MTU Category 2.1
- Renault RLD-3
- Volvo VDS-4.5

COSMO ULTRA DSL -XP

COSMO ULTRA DSL-XP SAE 5W-40 with LONG DRAIN Technology is a mixed-fleet engine oil recommended for naturally aspirated and turbocharged four-stroke diesel engines and four stroke gasoline engines in which the API CK-4 service categories and SAE 5W-40 viscosity grade is recommended.

SAE 5W-40

Meets & Exceeds:

- API Service Categories CK-4
- Allison TES-439, approval # 439-34732018, heavy-duty automatic transmissions
- Cummins CES 20086
- DEUTZ DQC III-18 LA
- Detroit Fluids Specification (DFS) 93K222
- Mack EOS 4.5
- MTU Category 2.1
- Volvo VDS-4.5

COSMO AX

COSMO AX SAE 15W-40 with ISOSYN® Advanced Technology is a heavy duty engine oil recommended for naturally aspirated and turbocharged four-stroke diesel engines and four-stroke gasoline engines in which the API CK-4 or SN service category and SAE 15W-40 viscosity grade are recommended.

SAE 15W-40

Meets & Exceeds:

- API Service Categories CK-4, CJ-4, CI-4 PLUS, CI-4, CH-4, SN
- Cummins CES 20086
- Daimler MB-Approval 228.31
- Detroit Fluids Specification (DFS) 93K222
- DEUTZ DQC III-18 LA
- MAN M3775
- Mack EOS 4.5
- MTU Category 2.1
- Renault RLD-3
- Volvo VDS-4.5

COSMO AX5 (Synthetic Technology)

400 XLE SAE 15W-40 with LONG DRAIN Technology is a premium synthetic technology long drain and mixed fleet engine oil recommended for naturally aspirated and turbocharged four-stroke diesel engines and four-stroke gasoline engines in which the API CK-4, API SN or API SN PLUS service category and SAE 15W-40 viscosity grade are recommended.

SAE 15W-40

Meets & Exceeds:

- Allison TES-439, approval 439-34592018
- API Service Categories CK-4
- Cummins CES 20086
- Daimler MB-Approval 228.51
- Daimler MB-Approval 228.31
- Detroit Fluids Specification (DFS) 93K222
- DEUTZ DQC III-18 LA
- Mack EOS 4.5
- MTU Category 3.1
- Renault RLD-3
- Volvo VDS-4.5

COSMO XMP

400 MONOGRADE oils are mixed-fleet motor oils recommended for older four-stroke gasoline and diesel engines.

SAE 10W, 20, 30, 40, 50

Meets & Exceeds:

- MAN Energy Solutions for MAN ES 28/33D engines burning distillate fuel (SAE 40)
- MAN M 3275-2 (SAE 30, 40)
- MB-Approval 228.2 (SAE 30, 40)
- MTU Category 2 (SAE 30, 40)



TRANSMISSIONS FLUIDS

TRANSMISSIONS FLUIDS

TRANS

TRANS SYN HD is a heavy duty truck manual transmission fluid recommended for service fill of heavy duty manual transmissions, such as those manufactured by Eaton, Meritor, and Mack. **TRANS SYN HD** have been certified to meet UNIVERSAL MANUAL TRANSMISSION standards.

SAE 50

TRANS

TRANS SYN SAE 60 is a premium heavy-duty gear lubricant specifically designed for use in final drives and axles of modern Caterpillar off-road equipment operating in severe service, where fluids meeting the Cat FD-1 specification are recommended.

SAE 60



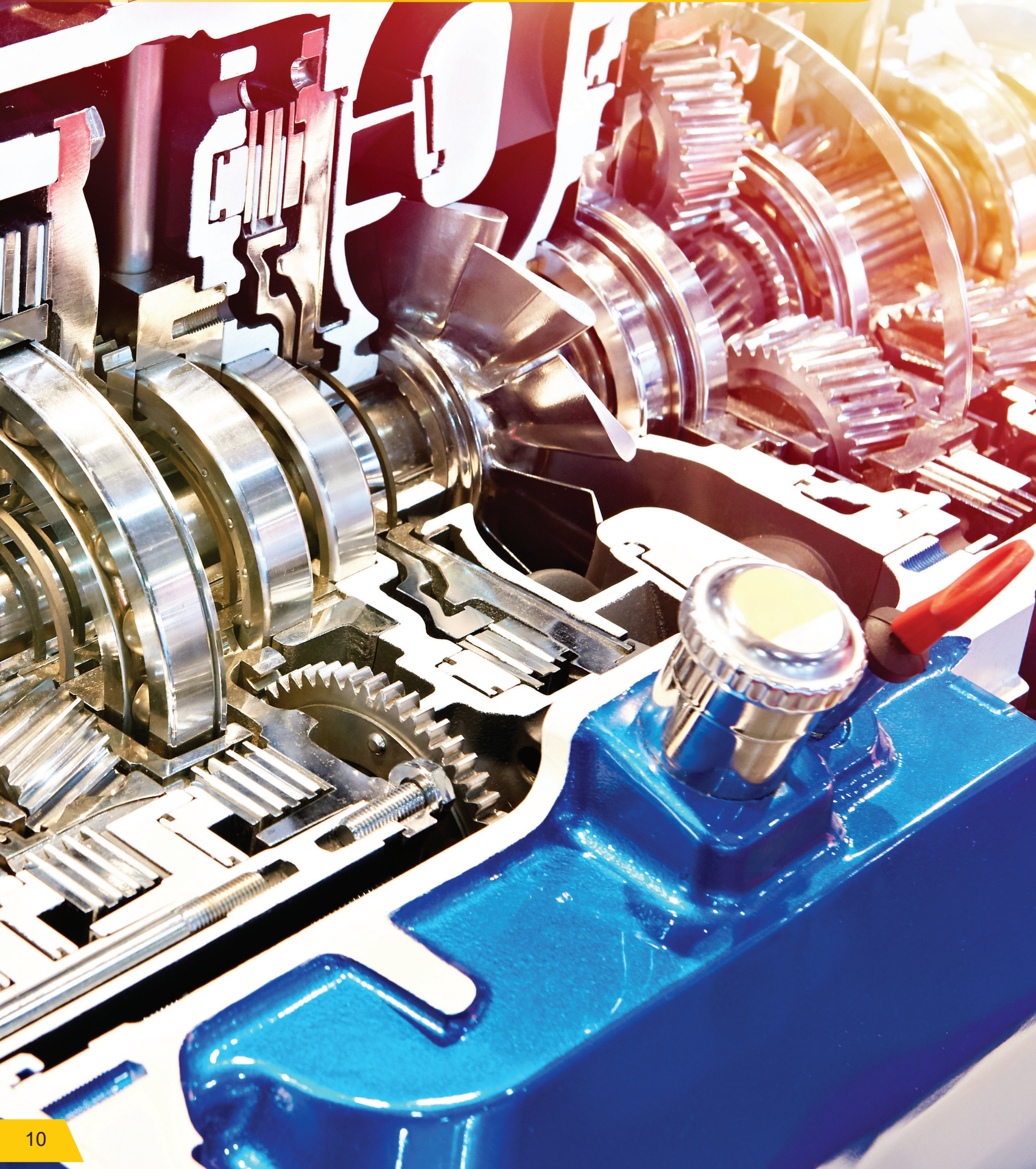
COOLANTS



ELC PLATINIUM

ELC PLATINIUM is Advanced Antifreeze/Coolant products have a patented formulation for protection, and compatibility with flux brazing residue present from the manufacturing process of today's aluminum heat exchangers. ELC PLATINIUM Advanced products are the next generation, ethylene glycol based NOAT (Nitrited Organic Additive Technology) products to provide excellent extended life coolant system protection in diesel, natural gas and CNG engines for both on- and off-road applications. It is available in Premixed 50/50 and concentrate.

GEAR OIL



GEAR OIL

GRX SPECIAL

GRX SPECIAL is a heavy duty truck synthetic automated manual transmission (AMT) fluid specially formulated for extended drain and severe service operations, and recommended for both factory and service fill of Eaton Ultra Shift Automated Manual Transmissions utilized by the main North American Truck Manufacturers when coupled with Cummins, PACCAR MX or Navistar diesel engines.

Meets & Exceeds:

- API GL-5-MT-1, ZF TE-ML 07A, Mack GO-J, Meritor O76-N Extended Drain, Bosch TE-ML 08

WL 680

WL 680 is premium high-performance synthetic gear oil designed for use in GE electric wheel motors and other industrial gear boxes. It offers high efficiency, reduced operating temperatures, long lubricant life, and excellent micro pitting wear protection. It is also designed to protect against extreme load and shock load protection.

ISO /VG 680

XL 68, 150, 220, 320, 460, 680

WL 680 is premium high-performance synthetic gear oil designed for use in GE electric wheel motors and other industrial gear boxes. It offers high efficiency, reduced operating temperatures, long lubricant life, and excellent micro pitting wear protection. It is also designed to protect against extreme load and shock load protection.

ISO /VG 680

GUARD ADV

GUARD ADV GL-1 are rust and oxidation inhibited gear oils that are recommended for many automotive and industrial equipment where the equipment suppliers recommend the use of straight mineral oil in SAE viscosity grades 90 (ISO 220) or 140 (ISO 460).

Meets & Exceeds:

- SERVICE CATEGORY -1/3

SAE 90, 140



HYDRAULIC OIL



HYDRAULIC OIL

HYDRO HLP

HYDRO HLP SYN are Synthetic Hydraulic Oils AW are designed with ash less technology to give maximum protection and improve productivity and fuel efficiency in both mobile and stationary hydraulic equipment in industrial applications. These are high viscosity index fluids that provide a wide operating temperature range.

AW 32, 46, 68

TRANS ADV HYDRAULIC OIL 10W

TRANS ADV 10W is a heavy duty on- and off highway hydraulic oil that is recommended for SAE 10W applications and for equipment with Caterpillar TO-2 requirements.

AW 32, 46, 68



GREASE



GREASE

EP 2

EP 2 is a technically advanced, extended service interval wheel bearing, chassis and kingpin grease for a wide variety of on-road and offroad applications.

HD EP 1, 2

HD EP is a comprehensive line of greases that are available with or without molybdenum disulfide. These greases are designed for plain and anti-friction bearing applications operating under high stress/high load conditions, coupled with high ambient temperatures typically found in heavy duty off-road applications.

HD EP 1, 2

HD EP is a comprehensive line of greases that are available with or without molybdenum disulfide. These greases are designed for plain and anti-friction bearing applications operating under high stress/high load conditions, coupled with high ambient temperatures typically found in heavy duty off-road applications.

SYNTHETIC GREASE EP

SYNTHETIC GREASE EP is a high performance grease specially formulated for extreme pressure bearing applications operating under high and low temperatures.

OPEN GEAR GREASE

OPEN GEAR GREASE is an open gear grease formulated with high viscosity mineral oils in a nonsoap-based thickener typically used in chain and open gear lubricant applications.

ULTRA-DUTY GREASE EP NLGI 0, 1, 2

ULTRA-DUTY GREASES EP are versatile, high pressure greases with good adhesive properties designed for a wide variety of automotive and industrial applications.

GREASE EP 00, 0, 1, 2

GREASES EP are technically advanced, extreme pressure greases for a wide variety of on-road applications.

HD EP 1, 2

HD EP is a comprehensive line of greases that are available with or without molybdenum disulfide. These greases are designed for plain and anti-friction bearing applications operating under high stress/high load conditions, coupled with high ambient temperatures typically found in heavy duty off-road applications.

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HD EP 1, 2

HD EP is a comprehensive line of greases that are available with or without molybdenum disulfide. These greases are designed for plain and anti-friction bearing applications operating under high stress/high load conditions, coupled with high ambient temperatures typically found in heavy duty off-road applications.

EP 1, 2

EP greases are water resistant, extreme pressure, heavy duty chassis and wheel bearing greases

EP 000, 00, 0, 1, 2

EP greases are multipurpose extreme pressure greases suitable for use in many industrial grease applications.

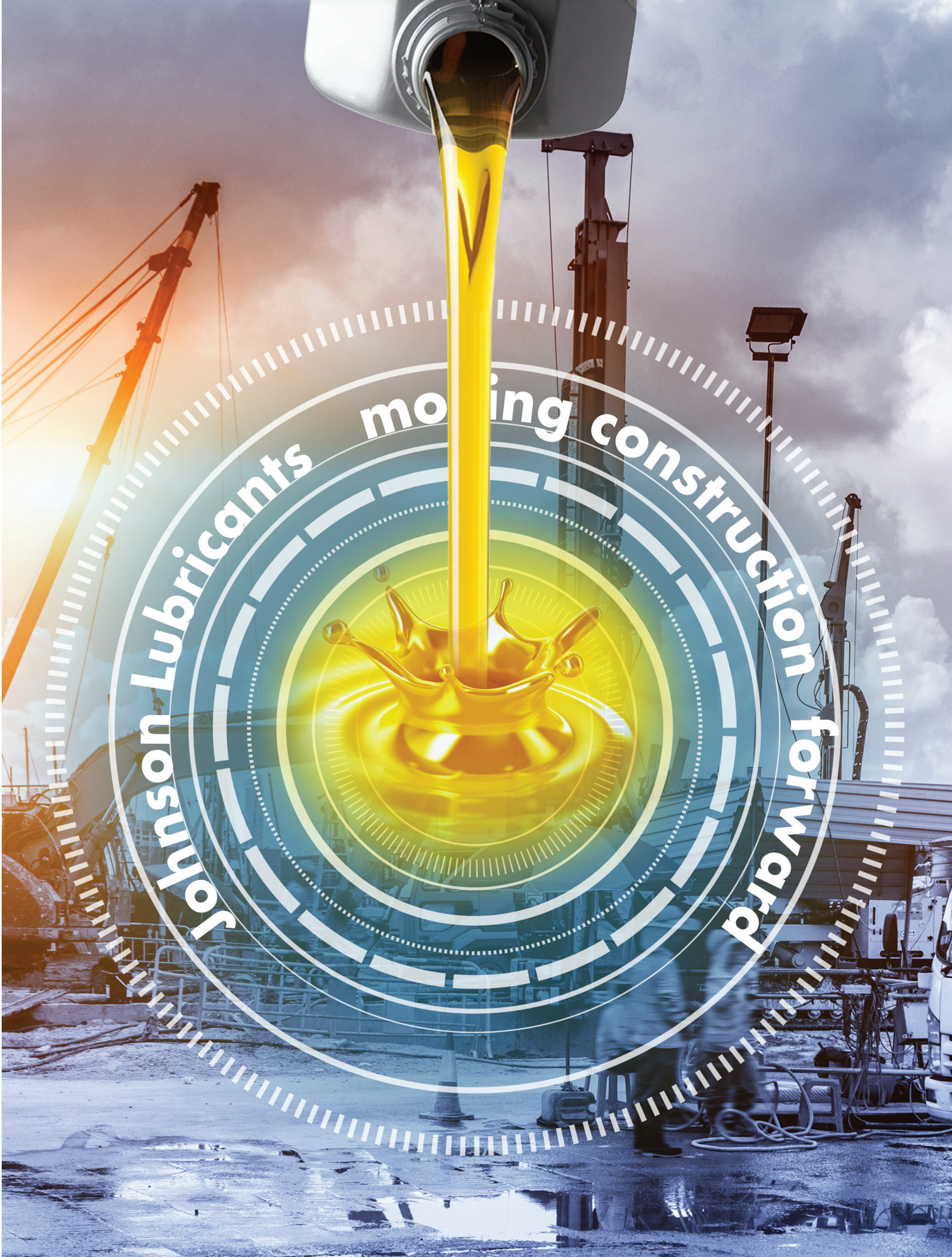
PACKAGING

HEAVY DUTY MOTOR OILS						
COSMO ULTRA DSL	●	●	●	●	●	●
COSMO ULTRA 10000	●	●	●	●	●	●
COSMO ADV MOTOR OIL	●	●	●	●	●	●
COSMO ULTRA DSL- SP	●	●	●	●	●	●
COSMO ULTRA DSL -XP	●	●	●	●	●	●
COSMO AX	●	●	●	●	●	●
COSMO AXS (Synthetic Technology)	●	●	●	●	●	●
COSMO XMP	●	●	●	●	●	●
TRANSMISSION FLUIDS						
TRANS	●	●	●	●	●	●
TRANS	●	●	●	●	●	●
COOLANTS						
ELC PLATINUM	●	●	●	●	●	●

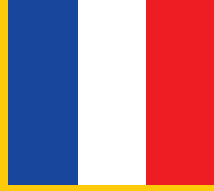
The characteristics above represent typical values and cannot be considered as product specifications.

PRODUCTS	BULK	Container 1000L	Drum 208L	Container 20L	Container 5L	Container 1L
GEAR OIL						
GRX SPECIAL	●	●	●	●	●	●
WL 680	●	●	●	●	●	●
XL 68, 150, 220, 320, 460, 680	●	●	●	●	●	●
GUARD ADV	●	●	●	●	●	●
GREASE						
EP 2	●	●	●	●	●	●
HD EP 1, 2	●	●	●	●	●	●
HD EP 1, 2	●	●	●	●	●	●
SYNTHETIC GREASE EP	●	●	●	●	●	●
OPEN GEAR GREASE	●	●	●	●	●	●
ULTRA-DUTY GREASE EP NLGI 0, 1, 2	●	●	●	●	●	●
GREASE EP 00, 0, 1, 2	●	●	●	●	●	●
HD EP 1, 2	●	●	●	●	●	●
EP 1, 2	●	●	●	●	●	●
EP 000, 00, 0, 1, 2	●	●	●	●	●	●

The characteristics above represent typical values and cannot be considered as product specifications.



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