



# PRODUCT CATALOG

Top Class  
Products

2023/1

Superior Lubricants

**Superior Performance**



**Leading The Way in Advanced  
Lubricant Nanotechnology**





**LUBCON**  
"Nano Technology"

# CRUZE ULTRA

Top Tier  
Product

**SAE 20W-50**  
API SP

Super Performance

**MOTOR OIL**



For Hybrid & Latest  
turbocharged gasoline  
direct injection engines



**5L**

## Lubcon plant

A unique feature of the plant is the most modern state of the art computerized plant for manufacturing Lubricants & Lubricants Additives. Initially designed with a capacity of 30000 mton per annum, our plant manufactures a comprehensive range of technologically-advanced automotive, industrial and marine lubricants, greases, brake fluids and coolants as per international standard and as per customer's requirements Economically & Professionally. In addition, Company also undertakes contract blending for third parties and is flexible and very responsive to their requirements. Lubcon plant is an ISO 9001:2015 certified company. Lubcon Plant is situated in a Strategic Position of Ras Al Khaimah, UAE and has unique advantages in terms of fuel cost saving, port functionality and a conveniently-located Logistic gateway. The founders carry extensive knowledge & experience in the field of Lubricants & Additives Manufacturing.



## VISION

To be a Credible and Competent Terminal Operator & Lubricants Manufacturer.

## MISSION

- Manufacture & Supply quality Products ethically & efficiently.
- Run our Business in safe and most economical environments.
- Work as flexible organizational culture having core qualities are teamwork, communication, consensus, change & agility.



# Lubcon Lubricants

The range of Lubricants & Additives are manufactured under the trade mark of "LUBCON". Lubcon lubricants are formulated to the highest international standards & specifications set by specialized international institutions such as Original Equipment Manufacturers (OEM's), American Petroleum Institute (API), US Military (MIL) & other international specifications as applicable. Designed to cope with the harshest climatic conditions, Lubcon lubricants have been approved by the world's most prominent engine & machinery makers including Mercedes Benz, BMW, Porche, GM, Ford, Volvo, MACK, MAN, Caterpillar & all others American, European & Japanese makers.

Lubcon Oils are available in packs: 700ML, 1L, 2L, 3L, 4L, 5L, 6L, 10L, 20L, 25L, 208L and Bulk

Lubcon Brake Fluids are available in packs: 250ML, 500ML, 20L, 25L, 208L and Bulk

Lubcon Greases are available in packs: 0.5KG, 1KG, 3KG, 15KG, 180KG





## The Laboratory

The laboratory is the heart of the quality control at Lubcon Oil Manufacturing Company. All the equipment is imported from world-renowned ISO 900 certified manufacturers to conform to the Specified International Standards. To ensure that the customer receives a high-quality product, stringent tests are carried out in the well-equipped and sophisticated laboratory. This lab uses the latest equipments to conduct various types of tests throughout the various stages of production, thereby ensuring quality standards & the best performance for the company's products.

## Services

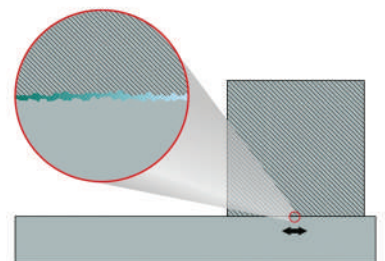
At Lubcon it is our aim to help you create a competitive advantage for yourself and your customers. This means providing you with the best product for a specific application with exceptional service. Exceptional service means:

- Having technical and trained specialists who can advise you on your specific application needs.
- Getting the product delivered to you on time, in full and on specification.
- In the event of complaint, responding to it quickly and efficiently.

## Why to choose Lubcon Lubricants – Because of “Nanotechnology”

Emissions standards and fuel economy requirements are getting ever more stringent. Tighter engineering tolerances and increased demands placed on lubricants means that engine oils are required to fulfil ever greater demands, year after year. To tackle this problem, we have developed Lubcon Lubricants & Additives by using Nanotechnology in which the chemically-active molecular nano film adds an additional layer to the lubricating film, thereby reducing friction. And because our solution forms such a stable suspension, we can promise you that there is no danger of solids settling or clogging oilways and filters. A clean engine means clean combustion, which, in turn, delivers optimum performance, improved fuel efficiency and thus control CO<sub>2</sub> emissions.


NANO technology refers to particles from a single atom to a structure size of 100 nanometres (nm). Using this technology means that the molecules can get into even the smallest irregularities in metal surfaces. Nano materials are produced chemically (using the “bottom-up” method), building up selected molecules. The advantages of using nano-lubricants are their high-temperature thermal stability and ability to react with the surface without an induction period, an important advantage when compared to conventional lubricants.



# Choose the Right Passenger Car Motor Oil


To help achieve proper engine and powertrain performance and durability, use only lubricants of the proper quality. The correct lubricants also help promote engine efficiency that results in improved fuel economy. These lubricants and fluids are recommended for use in your vehicle. Using oils of any viscosity other than those recommended could result in engine damage. When choosing an oil, consider the range of temperature your vehicle will be operated in before the next oil change. proceed to select the recommended oil viscosity from the chart.

Temperature Range for SAE Viscosity Numbers										
Temperature	°C	-30	-20	-10	0	10	20	30	40	50
	(°F)	-10	0	20	40	60	80	100	120	
Engine Oil		10W-30								
		0/5W-20, 0/5W-30								



## Quick Reference

Passenger Car Engine Oil (PCEO)



Automobile Model Year: 1930, 1951, 1967, 1971, 1979, 1988, 1993, 1996, 2001, 2004, 2010, 2011, 2015, 2018<sup>2</sup>, 2020<sup>3</sup>

**API Service Categories**

	SA	SB	SC	SD	SE	SF	SG	SH	SJ	SL	SM	SN	SN PLUS	SP
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**ILSAC\*** There was no ILSAC Specification Prior to 1993

Whereas ILSAC GF-6A (SAE 0W-20, SAE 5W-20, SAE 0W-30, SAE 5W-30, and SAE 10W-30) is backward-compatible to previous categories, GF-6B (SAE 0W-16) is not backward-compatible


**General Motors** There was no dexos® Specification Prior to 2010


Prior to 2010, General Motors did employ their own specifications, GM6094 and GM4718M. When issued, GM dexos1™ was back serviceable to 1996 superseding GM6094 and GM4718M.


dexos1™ dexos1™ Gen2


API SN PLUS  
ILSAC GF-5  
dexos1™ Gen2  
Back Serviceable


**Always refer to your vehicle owner's manual for proper motor oils recommended for use in your vehicle.**




Two letter code on the API "Donut" 

SAE viscosity grade 

ILSAC "Starburst" 

API "Shield" for 0W-16 

Images of above Marks courtesy of API

For GMs, look for the dexos mark 

**Other OEM specifications**

In addition to General Motor's dexos specification for motor oils, there are other original equipment manufacturers that also have their own recommended specifications other than those of the API and ILSAC. Examples are seen with Mercedes, BMW, Volkswagen, and Audi.

Note: Until May 1, 2021, motor oils displaying the ILSAC Starburst can represent either API SN/SN Plus or API SP along with Resource Conserving. On May 1, 2021, all products displaying the Starburst must meet API SP/Resource conserving.

# LUBCON CRUZE RACING

Fully Synthetic Long-Life Passenger Car Motor oil



LUBCON Cruze Racing is a unique fully synthetic lubricant designed from selected synthetic base fluids and race-proven additive technology to provide the highest level of protection & performance operating under the most extreme driving conditions. It is used for all naturally aspirated, fuel injected, turbo-charged and multi-valve Passenger car engines fueled by gasoline, diesel or LPG..

## Specifications:

API SP, ILSAC GF-6A, ACEA A5/B5/C5, BMW LL 17 FE, MB 229.71, Volvo VCC RBSO-2AE, Renault RN 17 FE, Fiat 9.55535-DSX/9.55535-GSX, GM DEXOS D/OV0401547, Jaguar Land Rover STJLR 51.5122.

## Benefits:

- ▶ Maximum Power and fuel economy.
- ▶ Longer oil drains intervals.
- ▶ Prolongs engine life.
- ▶ Lowest maintenance costs.

## Typical Characteristics

SAE Viscosity Grade	0W/30	5W/30	0W/40	5W/40	15W/50
Density @ 15°C, kg/cu.m	0.849	0.852	0.848	0.851	0.872
Kinematic Viscosity @ 40°C, cSt	65.45	66.4	87.6	76.3	121
Kinematic Viscosity @ 100° C, cSt	12.6	12.1	15.9	13.8	18.5
Viscosity Index	196	183	195	187	172
Flash Point, COC, °C	216	228	214	224	236
Pour Point, °C	-42	-39	-42	-39	-33
TBN, mgm KOH/gm	8.3	8.3	8.3	8.3	8.3



# LUBCON CRUZE ULTRA SYN

Semi Synthetic Advance Technology Passenger Car Motor oil

LUBCON Cruze Ultra Syn is an advanced technology semi synthetic lubricant developed from unique XHVI base fluids and specially selected additive technology to provide the superior performance & protection operating under the extreme driving conditions. It is used for all naturally aspirated, fuel injected, turbo - charged and multi - valve Passenger car engines fueled by gasoline, diesel or LPG.

## Specifications:

API SP, JASO MA2, ACEA A3/B4, BMW Special Oil, MB 229.3, PSA B71 2300, VW 502.00/505.00, Renault RN 700/RN 0710

## Benefits:

- ▶ Lengthens oil changes period.
- ▶ Reduced maintenance costs through extended engine life.
- ▶ Reduced running costs through improved oil and fuel efficiency.

## Typical Characteristics

SAE Viscosity Grade	10W/30	10W/40	15W/40	15W/50	20W/50
Density @ 15°C, kg/cu.m	0.871	0.874	0.885	0.886	0.892
Kinematic Viscosity @ 40°C, cSt	74	91	98.8	141	142
Kinematic Viscosity @ 100° C, cSt	12.2	14.2	14.84	19.3	18.5
Viscosity Index	164	162	157	156	147
Flash Point, COC, °C	220	220	224	224	236
Pour Point, °C	-33	-33	-30	-30	-27
TBN, mgm KOH/gm	8.3	8.3	8.3	8.3	8.3

# LUBCON CRUZE ULTRA

## Premium Passenger Car Motor oil



LUBCON Cruze Ultra is an advanced technology lubricant formulated from the blend of high viscosity index mineral oils and unique additive technology to provide the trusted protection & performance operating under all driving conditions. It is used for all naturally aspirated, fuel injected, turbo-charged and multi-valve Passenger car engines fueled by gasoline, diesel or LPG.

### Specifications:

API SP, ACEA A3/B3, Volvo VDS, MB 228.3/229.1, JASO MA2

### Benefits:

- Efficient resistance to oxidation, low temperature sludge and high temperature deposits.
- Reinforced thermal stability.
- Excellent antifriction and engine cleaning properties.

### Typical Characteristics

SAE Viscosity Grade	15W/40	15W/50	20W/50
Density @ 15°C, kg/cu.m	0.885	0.886	0.894
Kinematic Viscosity @ 40°C, cSt	114.3	151	165
Kinematic Viscosity @ 100° C, cSt	15.1	18.5	18.5
Viscosity Index	138	138	126
Flash Point, COC, °C	216	216	220
Pour Point, °C	-27	-27	-24
TBN, mgm KOH/gm	8.3	8.3	8.3



# LUBCON CRUZE SUPER PLUS

## Super Performance Passenger Car Motor oil

LUBCON Cruze Super Plus is a guaranteed quality lubricant based on a blend of high viscosity index mineral oils and premium additive technology to provide all-year-round protection & performance operating under all operating conditions. It is used for all naturally aspirated, fuel injected, turbo -charged and multi-valve Passenger car engines fueled by gasoline, diesel or LPG.

### Specifications:

API SN Plus/SN, Volvo VDS, ACEA A3/B3, JASO MA2, MB 228.3/229.1

### Benefits:

- Excellent Fuel economy and better cold starting.
- Superior Catalyst and Turbo/Multivalve compatibility.
- Very effective control over wear, rust and corrosion.

### Typical Characteristics

SAE Viscosity Grade	15W/40	15W/50	20W/50
Density @ 15°C, kg/cu.m	0.885	0.886	0.892
Kinematic Viscosity @ 40°C, cSt	114.3	151	165
Kinematic Viscosity @ 100° C, cSt	15.1	18.5	18.5
Viscosity Index	138	138	126
Flash Point, COC, °C	216	216	220
Pour Point, °C	-27	-27	-24
TBN, mgm KOH/gm	6.7	6.7	6.7



# LUBCON CRUZE SUPER

## Premium Passenger Car Motor oil

LUBCON Cruze Super is a premium quality lubricant formulated from high viscosity index mineral oils and premium additive technology to provide a high level of protection & performance operating under all service conditions. It is used for all naturally aspirated Passenger car engines fueled by gasoline, diesel or LPG.

### Specifications:

API SM, ACEA A3/B3, Volvo VDS, MB 228.3/229.1, JASO MA2

### Benefits:

- Superior Oxidation control ensures long oil life.
- Good engine cleanliness and low combustion residues.
- Superior thermal stability.

### Typical Characteristics

SAE Viscosity Grade	40	15W/40	15W/50	20W/50
Density @ 15°C, kg/cu.m	0.895	0.885	0.886	0.892
Kinematic Viscosity @ 40°C, cSt	151	114.3	151	165
Kinematic Viscosity @ 100° C, cSt	14.8	15.1	18.5	18.5
Viscosity Index	97	138	138	126
Flash Point, COC,°C	236	216	216	220
Pour Point, °C	-15	-27	-27	-24
TBN, mgm KOH/gm	6.2	6.2	6.2	6.2



# LUBCON CRUZE EXTRA PLUS

## High quality Passenger Car Motor oil

LUBCON Cruze Extra Plus is a high quality lubricant formulated from high viscosity index mineral oils and premium additive package to provide adequate protection & performance where API SF performance is required. It is used for all naturally aspirated Passenger car engines fueled by gasoline, diesel or LPG.

Specifications: API SL/SJ/CF-4, CEA A3/B3, MAN M 3275-1, MB 228.3/229.1, JASO MA2, VW 501.01/505.00, MTU Type 2, Volvo VDS, Caterpillar TO-2/ECF-1A, MACK EO-M Plus, Allison C4, Cummins CES 20077, Valtra E, New Holland NH 330G

### Benefits:

- Reinforced thermal behavior.
- Excellent detergent and dispersant qualities.
- Good resistance to oxidation, low temperature sludge and high temperature deposits.

### Typical Characteristics

SAE Viscosity Grade	10W	30	40	50	20W/40	20W/50
Density @ 15°C, kg/cu.m	0.872	0.886	0.895	0.898	0.894	0.892
Kinematic Viscosity @ 40°C, cSt	33	100	151	220	140	165
Kinematic Viscosity @ 100° C, cSt	5.5	11.2	14.8	19.1	15.5	18.5
Viscosity Index	101	98	97	97	115	126
Flash Point, COC,°C	210	226	236	242	222	220
Pour Point, °C	-33	-18	-15	-9	-24	-24
TBN, mgm KOH/gm	5.4	5.4	5.4	5.4	5.4	5.4

# LUBCON CRUZE CNG

## Premium CNG Engine oil

LUBCON Cruze CNG is a guaranteed quality lubricant formulated from high viscosity index mineral oils and single additive package to provide a high level of protection & performance operating under more severe conditions and higher operating temperatures. It is used for all naturally aspirated Passenger car engines fueled by CNG or dual fuel system Gasoline/CNG.

### Specifications:

API SM/CG-4, ACEA E3, MB 226.9/228.1, Renault RGD, MAN 3271-1/3275

### Benefits:

- Proven field trial performance (45000 km drain).
- Superior Oxidation control ensures long oil life.
- Good engine cleanliness and low combustion residues ensure all-year-round engine performance & life.

### Typical Characteristics

SAE Viscosity Grade	20W/50	20W/40
Density @ 15°C, kg/cu.m	0.892	0.894
Kinematic Viscosity @ 40°C, cSt	165	140
Kinematic Viscosity @ 100° C, cSt	18.5	15.5
Viscosity Index	126	115
Flash Point, COC, °C	220	222
Pour Point, °C	-24	-24
TBN, mgm KOH/gm	6.2	6.2



# LUBCON TITANIC 2TW

## Robust Performance Water-cooled Ashless 2-stroke Motor oil

LUBCON Titanic 2TW is top quality self-mixing oil designed with highly refined base stocks and unique ashless additive system for the lubrication of most-modern, high-powered, water-cooled, two-stroke cycle gasoline engines used in marine outboard services, using fuel to oil ratios of 50:1, or higher, are now recommended, particularly for high-output engines. Also applicable for use in Direct Fuel Injection (DFI) capable two-stroke recreational oils

### Specifications:

NMMA Recertified TC-W3

### Benefits:

- Superior protection against piston and cylinder scuffing.
- Exceptionally high resistance to heat generation and frictional power losses.
- Trouble free ignition and protects blocking of the exhaust ports and plugs.

### Typical Characteristics

NMMA	TC-W3
Density @ 15°C, kg/cu.m	0.870
Kinematic Viscosity @ 40°C, cSt	38.13
Kinematic Viscosity @ 100° C, cSt	6.4
Viscosity Index	120
Flash Point, COC, °C	110
Pour Point, °C	-35
TBN, mgm KOH/gm	8.81
Sulphated Ash, % wt	<0.001
Detergency test	Pass

# LUBCON CRUZE 4TA

## A dedicated 4-Stroke Motorcycle oil



LUBCON Cruze 4TA is a high-performance friction resistant four-stroke engine oil which meets the current JASO MA2 specification. The formulation ensures optimal wet clutch compatibility allowing precise and smooth gear changing. The advanced formulation keeps deposits at ultra-low levels and prevents the formation of sludge. A high alkaline reserve ensures good corrosion protection properties. Rounding off its profile is a new formulation concept that offers improved fuel economy and lower oil consumption. It is used for all types of four-stroke engines for most motorcycles and scooters globally.

### Specifications:

API SN/SL/SJ, JASO MA2/MB

### Benefits:

- Long term protection against oil oxidation to keep the engine free from piston and cylinder scuffing.
- Exceptionally high resistance to heat generation and frictional power losses.
- Extremely high detergency ensures a clean engine and exhaust system.
- Excellent compatibility with wet clutches

### Typical Characteristics

SAE Viscosity Grade	20W/40	20W/50
Density @ 15°C, kg/cu.m	0.894	0.892
Kinematic Viscosity @ 40°C, cSt	140	165
Kinematic Viscosity @ 100° C, cSt	15.5	18.5
Viscosity Index	115	126
Flash Point, COC, °C	222	220
Pour Point, °C	-24	-24
TBN, mgm KOH/gm	8	8



# LUBCON CRUZE 2TA

## Low-ash Performance air-cooled two-stroke Motor oil

LUBCON Cruze 2TA is a supreme quality low-smoke performance lubricant based on revolutionary concepts, designed with highly refined base stocks and well balanced low-ash additive system for use in air-cooled two-stroke cycle engines. Expressly recommended for most modern, high-powered, air-cooled, two-stroke cycle engines used in scooters, mopeds, generators, chainsaws and other lawn and garden equipments, pumps, power mowers and other two stroke engines, equipped with or without oil injection system, using a petrol oil mixture of 25 to 1 or less or as recommended by the engine manufacturer. Also used when the mixture is made with unleaded gasoline.

### Specifications:

API TC, JASO FC, ISO EGC, CEC TSC-3, TISI 1040

### Benefits:

- Visible smoke reduction.
- Exceptionally high resistance to heat generation and frictional power losses.
- Highly effective control over wear, rust, corrosion and ring sticking to ensure long life of moving parts.
- Exceptional self-mixing capability ensures the rapid formation of a uniform oil-gasoline mixture.

### Typical Characteristics

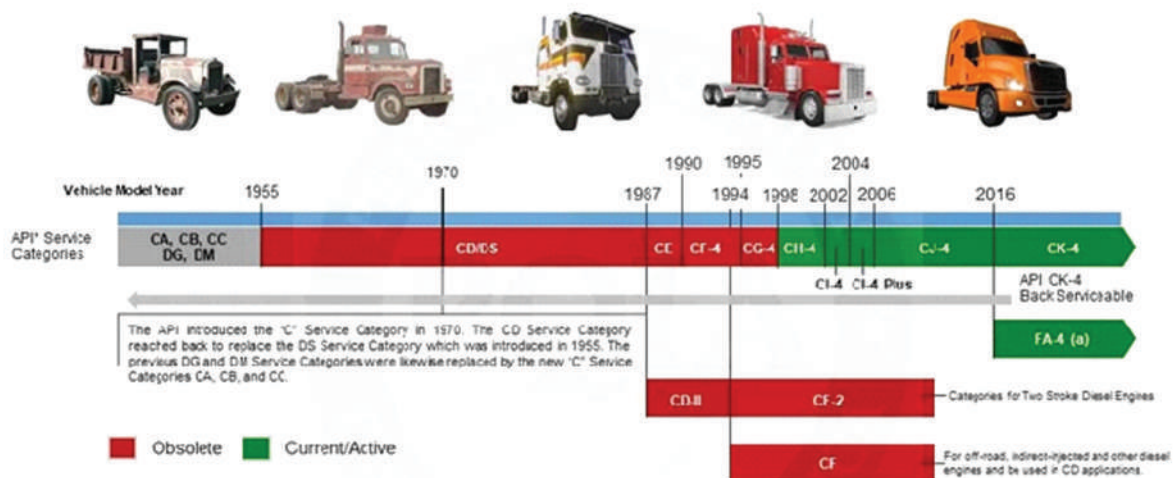
SAE Viscosity Grade	30
Density @ 15°C, kg/cu.m	0.882
Kinematic Viscosity @ 40°C, cSt	86.20
Kinematic Viscosity @ 100° C, cSt	10.80
Viscosity Index	111
Flash Point, COC, °C	130
Pour Point, °C	-21
TBN, mgm KOH/gm	2.05

# Choose the Right Diesel Engine Oil

Diesel oil is the oil you use to lubricate your engine if you have a car or truck that runs on diesel fuel. It should not be used in gas engines, although some oils are on the market that say they are OK to use in either vehicle type. When changing diesel engine oil, make sure to look on the oil cap. This will usually tell you which oil your car needs, otherwise look at your owner's manual. Diesel engines are designed differently than gasoline engine, so you should choose an oil that is specifically designed for your diesel engine. The process of choosing might come down to regular oil, synthetic blend, or full synthetic. Full synthetic is usually the best option for protecting your engine. It can handle higher temperatures and coat part better than regular oil.

## Quick Reference

### Heavy Duty Engine Oil (HDEO)



Look for the "API Donut" and Service Category on the back of the bottle. If the label says API Service "CA," it's an engine oil made for use in cars built prior to 1961. API CA through CG-4 motor oils are classified by the API as "OBSOLETE." Always consult your owner's manual for the correct viscosity grade and performance specification(s) required for your vehicle.

Look for the Service Category on the "API" Donut



Note: This chart is provided for illustrative purposes only. The categories have differing relevance depending on your region. While API CH-4 is essentially irrelevant in North America today, it is a common (and in some cases a high tier) category in other markets. CI-4/CJ-4 may also have much longer life in certain developing regions of the world. Always refer to your vehicle manufacturer's recommendations for the appropriate API Service Category required for use in your engine.

(a) API FA-4 are formulated for use in certain engines designed to meet 2017 on-highway emission standards, and are not backward compatible or interchangeable with other diesel engine oils meeting current service categories.

# LUBCON XCEL RACING

## Fully Synthetic Long-Life Diesel Oil

LUBCON Xcel Racing is a unique fully synthetic lubricant designed from selected synthetic base fluids and race-proven additive technology to provide the highest level of protection & performance operating under the most extreme driving conditions. Expressly recommended for latest high-power heavy-duty diesel engines in both over-the-road and off-highway applications, Top tier specifications for lengthening ODI's – e.g. use of a MB 228.51 oil versus a MB 228.3 oil across a fleet of 100 trucks, driving 120000 Km per year average can save 120 days down time in oil changes over a 3 year period and for high technology low emission engines.

### Specifications:

API CK-4, Volvo VDS 4.5, ACEA E9-16/E6-16, Cummins CES 20086, MB 228.51, Deutz DQC IV-18LA, VW 502.00, 505.00, VDS 4.5, MAN 3677/3777, IVECO (ACEA 2016), DAF (ACEA 2016), Detroit Diesel DDC93K222, Scania LDF-4, Mack EOS-4.5, Renault RLD-4, Caterpillar ECF-3

### Benefits:

- Maximum Power and fuel economy.
- Longer oil drains intervals.
- Prolongs engine life

### Typical Characteristics

SAE Viscosity Grade	0W/30	5W/30	0W/40	5W/40	15W/50
Density @ 15°C, kg/cu.m	0.849	0.852	0.848	0.851	0.872
Kinematic Viscosity @ 40°C, cSt	65.45	66.4	87.6	76.3	121
Kinematic Viscosity @ 100° C, cSt	12.6	12.1	15.9	13.8	18.5
Viscosity Index	196	183	195	187	172
Flash Point, COC, °C	216	228	214	224	236
Pour Point, °C	-42	-39	-42	-39	-33
TBN, mgm KOH/gm	9.8	9.8	9.8	9.8	9.8



# LUBCON XCEL SHPD

## Super High Performance Duty Diesel Oil

LUBCON Xcel SHPD is an advanced technology lubricant designed from unique XHVI (Group II) base fluids and specially selected unique additive technology to meet needs of the low emission and high-performance diesel engines. It is used for latest high-power heavy-duty diesel engines in both over-the-road and off-highway applications.

### Specifications:

API CK-4/SP, API FA-4, ACEA E9-16, E7-16, Volvo VDS 4.5, MAN 3275/3575, MTU 2.1, MB 228.31, Caterpillar ECF-3, Cummins CES 20086, Mack EOS-4.5, Renault VI RLD-4, Deutz DQC III-10LA, Detroit Diesel DDC93K222/3

### Benefits:

- Exclusive additive to ensure protection against corrosion & soot-related wear & provide longer oil life in Euro, US & other advanced engines.
- The exclusive additive system delivers improved engine cleanliness & protection against piston deposits to exceed the latest demanding requirements of OEMs.
- Demonstrated performance for all applications from severe duty in mining & construction operations to heavy duty haulage in some of the world's most severe requirements

### Typical Characteristics

SAE Viscosity Grade	10W/30	15W/40	15W/50	20W/50
Density @ 15°C, kg/cu.m	0.871	0.885	0.886	0.892
Kinematic Viscosity @ 40°C, cSt	74	114.3	151	165
Kinematic Viscosity @ 100° C, cSt	12.2	15.1	18.5	18.5
Viscosity Index	164	138	138	126
Flash Point, COC, °C	220	216	216	220
Pour Point, °C	-33	-27	-27	-24
TBN, mgm KOH/gm	9.9	9.9	9.9	9.9

# LUBCON XCEL XHPD

## Extra High Performance Duty Diesel Oil



LUBCON Xcel XHPD is a dedicated heavy duty engine lubricant designed from highly refined base oils and exclusive additive technology to deliver a step change in performance levels to improve the efficiency & life of your machineries. It is recommended for most engine types found in construction & mining equipments. It is particularly suitable for Caterpillar, Cummins, Detroit Diesel (4-Cycle) and Komatsu engines. Ideally suited for the spot - start service found in Agricultural operations and protects against bearing wear & deposits formation even under high-load, low-speed conditions where other oils can fail.

### Specifications:

API CJ-4/SN, Detroit Diesel DDC 93K218, ACEA E9-08, E7-08, Volvo VDS-4, MAN M 3575, MTU Type 2.1, MB 228.31, Caterpillar ECF-3/2/1-a, Cummins CES 20081, Mack EO-O Premium Plus-07, Renault RLD-3, Deutz DQC III-10LA

### Benefits:

- Increased resistance to thermal breakdown ensuring continued protection throughout the drain interval, even under the most severe conditions.
- Fight against combustion acids and increased heat ensures the oil continues to protect against wear & corrosion right up until the oil drain.
- Ideal choice for mixed fleet diesel engine applications.

### Typical Characteristics

SAE Viscosity Grade	15W/40	15W/50	20W/50
Density @ 15°C, kg/cu.m	0.885	0.886	0.892
Kinematic Viscosity @ 40°C, cSt	114.3	151	165
Kinematic Viscosity @ 100° C, cSt	15.1	18.5	18.5
Viscosity Index	138	138	126
Flash Point, COC,°C	216	216	220
Pour Point, °C	-27	-27	-24
TBN, mgm KOH/gm	11	11	11



# LUBCON XCEL HPD

## High-Performance Duty Diesel Oil

LUBCON Xcel XPD provides effective control for both turbo-charged & non-turbo-charged diesel engines through the use of unique additive technology in combination with well proven base oils. Expressly recommended for most engine types found in construction & mining equipments. It is particularly suitable for Caterpillar, Cummins, Detroit Diesel (4-Cycle) and Komatsu engines. Also used for On-highway heavy duty trucks under a wide range of haulage conditions

### Specifications:

API CI-4 Plus/CI-4//SN, Detroit Diesel DDC 93K215, ACEA E7-16/A3/B4, Volvo VDS-3, MAN 3275, MTU Type 2, MB 228.3/229.1, Caterpillar ECF-2/1-a, Cummins CES 20076/7/8, Mack EO-M Plus, Renault Truck, RLD-2, Deutz DQC-III-05, Global DHD-1, JASO DH-1

### Benefits:

- Increased resistance to thermal breakdown ensuring continued protection throughout the drain interval, even under the most severe conditions.
- Ideal choice for mixed fleet diesel engine applications.
- Fight against combustion acids and increased heat ensures the oil continues to protect against wear & corrosion right up until the oil drain

### Typical Characteristics

SAE Viscosity Grade	15W/40	15W/50	20W/50
Density @ 15°C, kg/cu.m	0.885	0.886	0.892
Kinematic Viscosity @ 40°C, cSt	114.3	151	165
Kinematic Viscosity @ 100° C, cSt	15.1	18.5	18.5
Viscosity Index	138	138	126
Flash Point, COC,°C	216	216	220
Pour Point, °C	-27	-27	-24
TBN, mgm KOH/gm	10.7	10.7	10.7

# LUBCON XCEL XSD

## Extra Severe Duty Diesel Oil



LUBCON Xcel XSD provides robust affordable protection for both turbo-charged & non turbo-charged diesel engines through the use of more efficient modern additive technology in combination with well proven base oils. Recommended for On-highway heavy duty trucks under a wide range of haulage conditions and for most engine types found in construction & mining equipments. It is particularly suitable for Caterpillar, Cummins, Detroit Diesel (4-Cycle) and Komatsu engines.

### Specifications:

API CH-4/SL, Deutz DQC-II-05, ACEA E7-16/A3/B4, Volvo VDS-2, MAN 3275, MTU Type 2, MB 228.3, Caterpillar ECF-1a, Cummins CES 20076/7, Mack EO-M Plus, Renault Truck RLD-2

### Benefits:

- It is particularly recommended for use in older Mercedes Benz trucks & buses as well as for cost-effective lubrication in off-highway applications such as Agricultural tractors.
- Designed for the lubrication of units burning low Sulphur / medium distillate fuels.
- Incorporate an advanced detergent additive system to control piston deposits and maintain good standards of engine cleanliness

### Typical Characteristics

SAE Viscosity Grade	15W/40	15W/50	20W/50
Density @ 15°C, kg/cu.m	0.885	0.886	0.892
Kinematic Viscosity @ 40°C, cSt	114.3	151	165
Kinematic Viscosity @ 100° C, cSt	15.1	18.5	18.5
Viscosity Index	138	138	126
Flash Point, COC, °C	216	216	220
Pour Point, °C	-27	-27	-24
TBN, mgm KOH/gm	9.5	9.5	9.5



# LUBCON XCEL SD

## Severe Duty Diesel Oil

LUBCON Xcel SD is a high-quality heavy-duty lubricant designed with refined base oil and effective additive package for use in Indirect-injected diesel engines where monograde oils are specified. It provides robust performance in a variety of off-highway applications or older on-highway diesel vehicles. It is for use in the transmission and hydraulic applications for construction & mining equipments where engine oils technology is specified.

### Specifications:

API CF-4/CF/SJ, MB 228.0/1, MAN 270/271, Volvo VDS, MTU Type 1, Deutz DQC-I-05, ACEA A2-96/B2-98, JASO MA-2 (Covers clutch friction 4T requirements)

### Benefits:

- The high thermal stability and oil oxidation resistance provide a high standard of piston cleanliness.
- Designed for the lubrication of units burning fuels with high sulfur content over 0.5% weight.
- Excellent frictional characteristics required for certain heavy-duty transmissions & oil-immersed brake systems found in construction equipments.

### Typical Characteristics

SAE Viscosity Grade	10W	30	40	50	15W/40	20W/50
Density @ 15°C, kg/cu.m	0.872	0.886	0.895	0.898	0.885	0.892
Kinematic Viscosity @ 40°C, cSt	33	100	151	220	114.3	165
Kinematic Viscosity @ 100° C, cSt	5.5	11.2	14.8	19.1	15.1	18.5
Viscosity Index	101	98	97	97	138	126
Flash Point, COC, °C	210	226	236	242	216	220
Pour Point, °C	-33	-18	-15	-9	-27	-24
TBN, mgm KOH/gm	7.6	7.6	7.6	7.6	7.6	7.6

# LUBCON XCEL 2TA

## High Performance, Severe Duty Diesel Oil

LUBCON Xcel 2TA is a premium quality heavy duty lubricant designed specifically with refined base oil and effective additive package for use in two-stroke diesel engines. Expressly recommended for Detroit Diesel two-stroke engines, excluding "149" engines in mines.

### Specifications:

API CF-II, MiL-L-2104F, ACEA E2-96/B2-96, MB 228.1, Volvo VDS, MAN 271, MTU (OTI), Allison C-4, Detroit Diesel Corporation 7SE 270 8810, MACK EO-L (Sulphated Ash – less than 0.8%)

### Benefits:

- Highly effective control over Cylinder and ring-face scuffing, wear and corrosion.
- Low-ash technology ensures excellent protection against buildup of combustion chamber deposits and risk of valve distress.
- Incorporate an advanced detergent additive system to control long term piston deposits and retention of TBN.

### Typical Characteristics

SAE Viscosity Grade	40	50
Density @ 15°C, kg/cu.m	0.895	0.898
Kinematic Viscosity @ 40°C, cSt	151	220
Kinematic Viscosity @ 100° C, cSt	14.8	19.1
Viscosity Index	97	97
Flash Point, COC, °C	236	242
Pour Point, °C	-15	-9
TBN, mgm KOH/gm	8.2	8.2



# LUBCON XCEL ZNF

## High-performance, heavy-duty Zinc Free Diesel Oil

LUBCON Xcel ZNF is a Zinc Free premium quality, heavy duty, lubricant designed with refined base oil and unique additive package specifically for medium speed diesel engines in use on railways requiring LMOA Generation 7 lubricants. It is recommended for the recent generation of GM/EMD and General Electric Diesel engines equipped with Silver Bearings fitted on railroad locomotives and in stationary and marine applications running on fuels with high Sulphur content. Also used for Industrial applications where Zinc Free oil is recommended, Offshore well drilling rigs and Tugs and fishing vessels.

### Specifications:

API CF, Detroit Diesel, US MIL-L-2104, ALCO, DALIAN Locomotive, Fairbanks Morse, General Electric & General Motor-Electro Motive Division (GM-EMD) engines, Generation 7

### Benefits:

- Exceptional protection against wear, ring sticking, rust and corrosion to ensure long life of moving parts and reduce the need for engine servicing.
- Excellent detergent and dispersant qualities to keep the engine clean. Highly effective TBN retention.

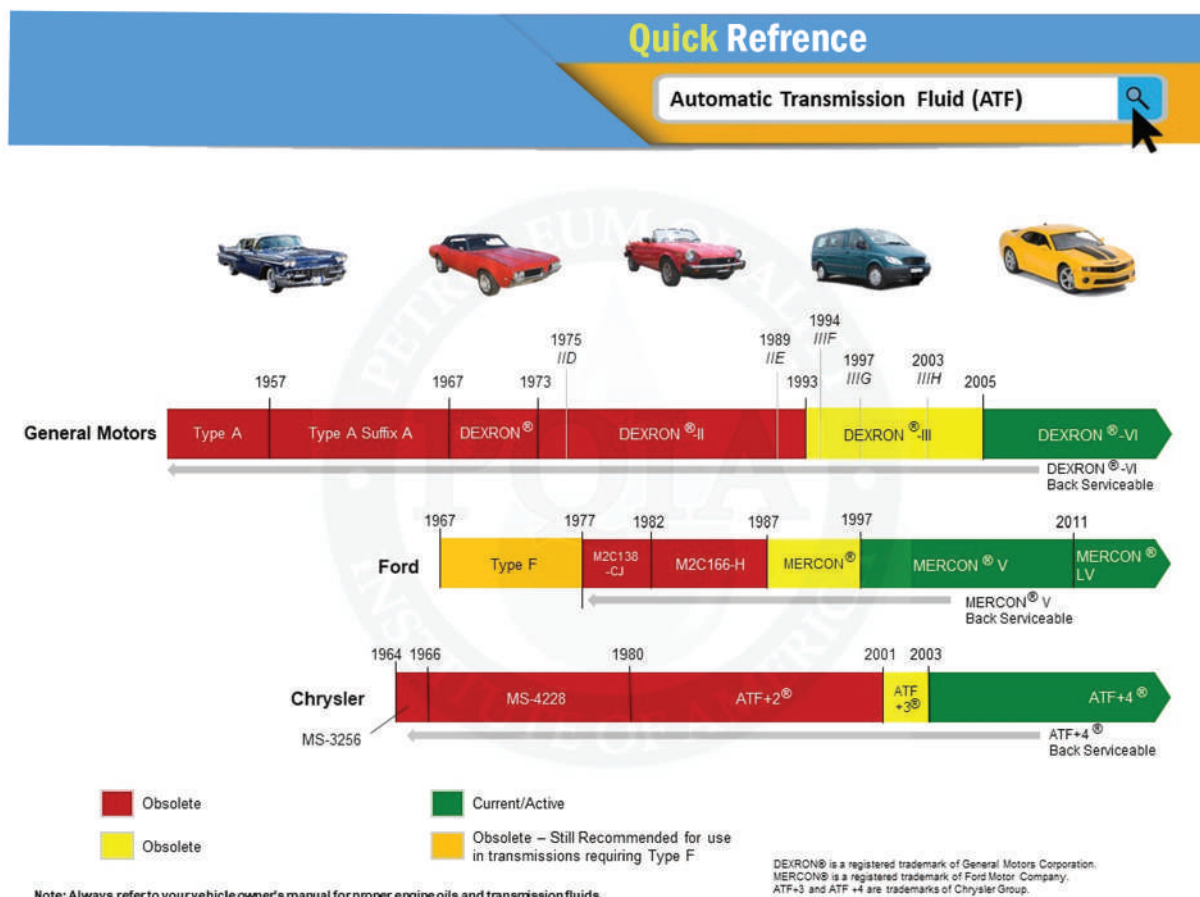
### Typical Characteristics

SAE Viscosity Grade	40	20W/40
Density @ 15°C, kg/cu.m	0.895	0.894
Kinematic Viscosity @ 40°C, cSt	151	140
Kinematic Viscosity @ 100° C, cSt	14.8	15.5
Viscosity Index	97	115
Flash Point, COC, °C	236	222
Pour Point, °C	-9	-24
TBN, mgm KOH/gm	11	11
Sulfated Ash, % wt	1.0	1.0
Sulfur, % wt	0.19	0.19
Zinc, ppm	<1	<1
Phosphorus, ppm	<1	<1



# Choose the Right Transmission Oil

Once the car's combustion engine generates the power, the transmission system moves it to the wheels. The power transmission process requires continuous friction between the moving metal parts of the transmission system. That causes the deterioration of its components and results in expensive repairs. That is why using transmission oil is crucial. Choosing the right transmission fluid depends on various factors, including the car manufacturer and the transmission type. To minimize the risk of wear and enhance power transmission, you need to choose high-quality transmission fluids. Lubcon is a leading manufacturer of passenger car transmission fluids. Their advanced additives protect the targeted parts of the system from corrosion, foaming, and deposits. If you are not sure which lubricant is for your car's transmission, contact us for more information..



# LUBCON IMPEL EP SYN

## Fully Synthetic, long-life multi-grade Gear Oil

LUBCON Impel EP SYN is a supreme quality oil with high degree of extreme pressure protection designed to meet almost all requirements of modern commercial vehicles regarding special lubrication for the entire drive line. Impel EP Syn gear oil is perfectly suitable for lubricating all components of the drive line, from the sophisticated synchronized and non-synchronized manual gears to hypoid axle gears. Due to its characteristics as a high-performance all-round product, it significantly contributes to the streamlining process in modern vehicle fleets. The reduction of friction due to optimum viscosity helps to save fuel.

### Specifications:

API GL-5, US Military MIL-L-2105 D/L-PRF-2105E, MB 235.1, VW 501.50 (G50), MAN M 341 Z2/M 342 M2, Scania STO 1:0, Arvin Meritor 0-76-N, MACK GO-J, ZF TE-ML 02B/05A/07A/08/12B/12L/12N/16F/17B/19C/21A

### Benefits:

- Carefully tailored frictional characteristics to promote smooth synchronization and good shift quality.
- Excellent scoring resistance of gear teeth under low-speed, high-torque and high-speed, low-torque conditions.
- Non-corrosive to Steel, Copper or other metals and alloys and keep the parts in first-class condition.

### Typical Characteristics

SAE Viscosity Grade	75W	75W/80	75W/90
Density @ 15°C, kg/cu.m	0.860	0.861	0.880
Kinematic Viscosity @ 40°C, cSt	54.3	54.2	110
Kinematic Viscosity @ 100° C, cSt	9.4	9.3	15.2
Viscosity Index	157	155	145
Flash Point, COC,°C	196	196	198
Pour Point, °C	-42	-42	>-40



# LUBCON IMPEL EP

## High performance, super-duty Gear Oil

LUBCON Impel EP is supreme quality oil with high degree of extreme pressure protection, designed to give new benefits based on improved levels of performance to meet the future requirements of drivelines. Specially formulated with highly refined base stocks and unique additive package for the lubrication of heavily loaded drive axles, steering boxes, overdrives, final drives, conventional differentials and non-synchronized transmissions used in heavy duty automotive vehicles and off-the-road equipments, using spiral bevel and hypoid gears, operating under critical conditions of high unit pressure and high relative sliding velocities at elevated temperatures.

### Specifications:

API GL-5, US Military MIL-L-2105D, MB 235.0, MAN 342 Type M-1, DAF, Voith 3.325-339, Volvo 97310/97316

### Benefits:

- Perfect load carrying ability in all operating conditions.
- Outstanding demulsibility power, thermal and oxidation stability.
- Excellent compatibility with all seals to control the leakage.

SAE Viscosity Grade	80W/90	85W/140	90	140
Density @ 15°C, kg/cu.m	0.886	0.907	0.889	0.910
Kinematic Viscosity @ 40°C, cSt	159	360	220	460
Kinematic Viscosity @ 100° C, cSt	15.5	26	19.1	31
Viscosity Index	99	95	97	95
Flash Point, COC,°C	176	220	182	226
Pour Point, °C	-27	-12	-12	-6

# LUBCON IMPEL MP

## High performance, heavy-duty Gear Oil

LUBCON Impel MP is premium quality oil with mild degree of extreme pressure protection, designed to give new benefits based on improved levels of performance to meet the future requirements of gearboxes. Specially formulated with highly refined base stocks and unique additive package for the lubrication of Synchromesh gear boxes, conventional differentials, final drives, steering boxes and medium loaded axle drives used in heavy duty automotive vehicles and off-the-road equipments, using spur, bevel, helical or hypoid gears, operating under moderate-service conditions, subject to heavy-loads and high relative sliding velocities at high temperature.

### Specifications:

API GL-4, US Military Mil-L-2105A, MB 235.1, MAN 341 Type E-1/Z-

### Benefits:

- Carefully tailored frictional characteristics to promote smooth synchronization and good shift quality.
- Excellent scoring resistance of gear teeth under low-speed, high-torque and high-speed, low-torque conditions.
- Non-corrosive to Steel, Copper or other metals and alloys and keep the parts in first-class condition.

### Typical Characteristics

SAE Viscosity Grade	80W/90	85W/140	90	140
Density @ 15°C, kg/cu.m	0.886	0.907	0.889	0.910
Kinematic Viscosity @ 40°C, cSt	159	360	220	460
Kinematic Viscosity @ 100° C, cSt	15.5	26	19.1	31
Viscosity Index	99	95	97	95
Flash Point, COC,°C	204	244	210	250
Pour Point, °C	-27	-12	-12	-6



# LUBCON IMPEL GP

## High performance, Mild -Duty Gear Oil.

LUBCON Impel GP is good quality oil designed with highly refined base stocks for use in automotive and heavy-duty transmission and differentials where API GL-1 is specifically recommended.

### Specifications:

API GL-1

### Benefits:

- Natural thermal and oxidation stability.
- Good protection against wear, foaming, rust and corrosion.
- Harmless to all metals and gaskets.
- Good demulsibility power.
- Good protection of bearing and gear teeth.

### Typical Characteristics

SAE Viscosity Grade	90	140
Density @ 15°C, kg/cu.m	0.889	0.910
Kinematic Viscosity @ 40°C, cSt	220	460
Kinematic Viscosity @ 100°C, cSt	19.1	31
Viscosity Index	97	95
Flash Point, COC,°C	242	280
Pour Point, °C	-12	-6

# LUBCON IMPEL ATF D+

## Universal Automatic Transmission Fluid

LUBCON Impel ATF D+ is an excellent quality multipurpose fluid formulated with highly refined base stocks and balance additive package to ensure excellent driving properties even under heavy loads. Particularly worth mentioning is the good compatibility with various sealing materials. Suitable for automatic gearboxes of passenger cars, trucks, buses and special vehicles. Also recommended for hydraulic converters, hydraulic power steering systems and hydraulic clutches for certain off-road applications.

### Specifications:

GM Dexron IIIH, IIIG, IID, TASA, Ford Mercon/ESP-M2C 166 H/ESP-M2C 138 CJ, MB 236.2/236.9, Allison C4, Caterpillar TO-2, MAN M 339 V1/M 339 Z1, Volvo 97340/97341, Voith H55.6335.XX, ZF TE-ML 03D/04D/14A/17C

### Benefits:

- Excellent thermal stability and oxidation stability.
- High control over wear.
- Compatibility with elastomers and non-ferrous metals.
- Good retention of frictional properties ensures reliable operation.

### Typical Characteristics

TYPE	D111H	DIIG	DIID	TASA
Color	Red	Red	Red	Red
Density @ 15°C, kg/cu.m	0.861	0.860	0.869	0.875
Kinematic Viscosity @ 40°C, cSt	36.50	35.7	36.80	41.5
Kinematic Viscosity @ 100° C, cSt	7.4	7.2	7.2	7.2
Viscosity Index	174	170	163	135
Flash Point, COC,°C	200	200	210	204
Pour Point, °C	-45	-45	-42	-27
Foam seq. I/II/III ml	0/0/0	0/0/0	0/0/0	0/0/0
Clutch Friction Test	Pass	Pass	Pass	Pass
Cycling Test	Pass	Pass	Pass	Pass
Brookfield viscosity (cP) @ -40° C	17900	18700	27400	49400



# LUBCON IMPEL ATF CVT

## Premium performance Automatic Transmission Fluid

LUBCON Impel ATF CVT is a high-performance latest generation automatic transmission fluid developed specially for Continuously Variable Transmission (CVT) gear boxes. Impel CVT is designed with high viscosity index mineral oils & a well-adjusted additive package to protect against foam formation, which is very important for CVT gear boxes. Suitable for the use in Autotronic gear boxes of the Mercedes A-and-B Class. It is also applicable in many variable automatic transmissions of different manufacturers, among others in Audi Multitronic.

### Specifications:

GM DEX-CVT, MB 236.20, VW G 052 180/G 052 516, Toyota CVTF FE/CVTF TC, Mitsubishi CVTF-J1/CVTF-J4/CVTF-4+/SP-III, Nissan NS1/NS2/NS3, Suzuki CVTF TC/CVT Green 1&2/NS-2/CVTF 3320, Hyundai SP-CVT III, Mini cooper EZL 799, Honda HMMF/HCF2, Subaru High Torque CVTF/ECVT/iCVT/iCVT FG, Daihatsu Ammix CVT DFE/DC/DFC, Dodge Jeep Chrysler NS-2/Jeep Chrysler Mopar CVT+4, Kia SP-CVT III, Mazda JWS 3320

### Benefits:

- Engineered for latest CVT technology.
- Low viscosity ensures outstanding power transfer and heat transfer efficiency in torque converter system resulting in improved fuel economy.
- Proper friction characteristics even under extreme operating conditions.
- Superior anti-aging and anti-oxidation characteristics.

### Typical Characteristics

TYPE	CVT
Color	Red
Density @ 15°C, kg/cu.m	0.851
Kinematic Viscosity @ 40°C, cSt	34.0
Kinematic Viscosity @ 100° C, cSt	7.2
Viscosity Index	183
Flash Point, COC,°C	200
Pour Point, °C	-42
Foam seq. I/II/III ml	0/0/0
Clutch Friction Test	Pass
Cycling Test	Pass
Brookfield viscosity (cP) @ -40° C	11700

# LUBCON IMPEL ATF D-VI

## Premium performance Automatic Transmission Fluid

LUBCON Impel ATF D-VI is a top-quality new generation automatic transmission fluid with new concepts of friction modification, designed with high viscosity index mineral oils & carefully selected complete additive system. Expressly recommended for automatic and semi-automatic transmissions used in passenger cars and C commercial vehicles, operating under severe, most varied-service conditions. Also used in Power Shift transmission in off-highway construction, agriculture and mining equipments. Also recommended in Automotive, industrial, mobile and marine hydraulic systems.

### Specifications:

GM Dexron VI, Ford MERCON V, BMW P/N 83 22 9 407 807, MOPAR +4, Allison C4/TES 295/389, Mercedes Benz Sheet 236.91, Voith H55.6335, ZF TE-ML 09X, JASO 1A

### Benefits:

- Extended fluid life allowing long drain intervals twice that of GM IIIH.
- Low viscosity ensures outstanding power transfer and heat transfer efficiency in torque converter system resulting in improved fuel economy.
- Improved retention of frictional properties to perform smooth and trouble-free clutch and brake operations.
- Superior performance profile over and above previous GM IIIH level.

### Typical Characteristics

TYPE	D-VI	D-LV	D-DCT
Color	Red	Red	Red
Density @ 15°C, kg/cu.m	0.859	0.842	0.856
Kinematic Viscosity @ 40°C, cSt	34.4	27.3	35
Kinematic Viscosity @ 100° C, cSt	6.7	5.7	7.2
Viscosity Index	155	156	175
Flash Point, COC,°C	214	>180	>185
Pour Point, °C	-46	<=-42	<=-39
Foam seq. I/II/III ml	0/0/0	0/0/0	0/0/0
Clutch Friction Test	Pass	Pass	Pass
Cycling Test	Pass	Pass	Pass
Brookfield viscosity (cP) @ -40° C	12030	11650	12090

• LV= Low viscosity Fluid \* DCT = Double clutch transmission



# LUBCON IMPEL STOU

## Shear-stable Super Tractor Oil Universal Fluid

LUBCON Impel STOU is top quality multipurpose oil with innovative conception, designed with highly refined base stocks and specially selected complete additive package to deliver a step change in performance levels to improve the efficiency & life of your machineries under all working conditions. Satisfy the lubrication requirements of all types of engines, as well as wet brakes, final drives, hydrostatic drives, hydraulic systems, manual, automatic and continuous variable transmissions used in farm and industrial tractors and self-propelled farm equipments.

### Specifications:

API CG-4/CF-4/CE/CD/SF, ACEA E3, ZFTE-ML 06B/06C/07B, Ford M2C159B/C/M2C86B/C/M2C134D, Ferguson M1145, John Deere: J27/J20C/J20D, CNH MAT 3525/3526, Sperry Vickers/Eaton: M2950S, Denison HF-2, Sauer Sunstrand/Danfoss: Hydrostatic Trans Fluid, API GL-4, Allison C-4, Caterpillar TO-2, Komatsu Dresser

### Benefits:

- Improved retention of frictional properties to resist chatter and squawk in clutch and brake systems.
- Effective antiwear and extreme-pressure properties to protect the gear teeth and bearings.
- Excellent filterability and stability in the presence of water.
- Excellent choice to reduce the possibility of wrong applications.

### Typical Characteristics

SAE Viscosity Grade	10W/30
Density @ 15°C, kg/cu.m	0.871
Kinematic Viscosity @ 40°C, cSt	74
Kinematic Viscosity @ 100° C, cSt	12.2
Viscosity Index	164
Flash Point, COC,°C	220
Pour Point, °C	-33
TBN, mgm KOH/gm	10.70
Sulfated Ash, % wt	1.22

## Choose the Right Industrial Oil

The most painful part of manufacturing is maintaining machines. The machine manufacturers might suggest a lot of things in the user manuals, but these recommendations are only valid under ideal conditions. However, your machinery may be operating in an entirely different environment which requires you to make your own decisions regarding how to maintain your machines and which industrial lubricant would best suit the purpose? Industrial lubricants are available in a huge variety. But which type would suit your operating environment and provide a longer useful life to your machine is something to think about. And for this, you need to know about 4 C's of Industrial Lubrication:

- Correct Technology
- Correct Quantity
- Correct Frequency
- Correct Procedures

Above on - Before you can choose the right industrial oil, you must first find a supplier you trust. Contact us to learn more about how we can help keep your machines running.



# LUBCON TECHNO LOW ASH

## Robust-performance, heavy duty Low-ash Crankcase Oil



LUBCON Techno is a new generation oil designed with HVI base oil and unique additive package for use in highly-rated, 4-stroke, spark-ignition stationary gas engines to meet the emerging legislation limiting emissions of NOx, and those which employ the latest "lean" or "clean" burn technology. Expressly recommended for Two & Four-cycle stationary aspirated and turbo charged engines fueled by natural gas or LPG, Digester gas (biogas) engines and Gas-powered co-generation engines.

### Specifications:

API CF, Cummins, MWM Deutz\*, Rolls Royce (Ulstein Bergen), MTU\*, MAN Diesel & Turbo 4T, WARTSILA 4T\*, Perkins\*, Caterpillar, WAUKESHA (0.35% ash minimum), DRESSER RAND, JENBACHER, MWM, Niigata, GUASCOR

\* SAE 40 Applications only

### Benefits:

- Outstanding oxidation and nitration resistance provide protection against bearing corrosion.
- Superior engine cleanliness contributes to low engine wear, long component life, maintenance of power output, more operational stability and lower servicing costs.
- Balanced sulfated ash level helps prolong the life of valves and spark plugs.
- Low phosphorus level ensures compatible with engines equipped with emission catalysts.

### Typical Characteristics

SAE Viscosity Grade	30	40
Density @ 15°C, kg/cu.m	0.886	0.895
Kinematic Viscosity @ 40°C, cSt	100	151
Kinematic Viscosity @ 100° C, cSt	11.2	14.8
Viscosity Index	98	97
Flash Point, COC, °C	226	236
Pour Point, °C	-18	-15
TBN, mgm KOH/gm	5.2	5.2
Sulfated Ash, % wt	0.47	0.47
Phosphorus, max. ppm	300	300



# LUBCON TECHNO CL

## High performance Multi-functional Circulating oil

LUBCON Techno CL is premium quality oil formulated from selected mineral base fluids and additive package to provide the highest level of protection & performance in a wide range of circulation and certain other industrial applications which do not require oils with EP properties. Also recommended for effective flushing of engines or any lube circuits.

### Specifications:

Meets Morgan specifications for Circulating oils for roll-neck bearings, DIN 51517-2 CL

### Typical Characteristics

ISO Viscosity Grade	22	32	46	68	100	150	220	320	460
Density @ 15°C, kg/cu.m	0.866	0.874	0.879	0.881	0.886	0.895	0.898	0.903	0.908
Kinematic Viscosity @ 40°C, cSt	22	32	46	68	100	151	220	320	460
Kinematic Viscosity @ 100° C, cSt	4.3	5.4	6.7	8.6	11.2	14.8	19.1	24.4	30.8
Viscosity Index	102	101	98	97	98	97	97	97	97
Flash Point, COC, °C	204	210	216	220	226	236	242	260	280
Pour Point, °C	-21	-18	-15	-12	-12	-12	-12	-6	-6





# LUBCON TECHNO HL

## High performance zinc-free steam & gas turbine oil



LUBCON Techno HL is a premium quality oil with high degree of rust & oxidation protection designed from hydrotreated mineral base fluids and unique zinc-free additive technology to offer improved performance capable of meeting the demands of the most modern non-geared steam turbine systems and light duty gas turbines used in electric power generation, pipeline transmission, power take off and marine propulsion, using non-ferrous alloys, operating under severe-service conditions.

### Specifications:

DIN 51524 Part 1, Denison HF-1, General Electric GEK 28143A, 32568F, Westinghouse 21 T0591, Deutsche Industrie Norm DIN 51515, ISO 8068, Alstom Power (ABB) HTGD 90117, Solar Turbines ES9-224R, Alstom Power NBA P 5001, Siemens TLV 9013 04, Cincinnati Milacron P-38, P-55 & P-57, US MIL-H-17672D

### Benefits:

- Outstanding thermal stability at very high temperature.
- Strong demulsibility power, air release capability and filterability.
- Enhanced resistance to foaming, rust and oxidation.
- Low sludging tendency and outstanding load carrying ability.

### Typical Characteristics

ISO Viscosity Grade - HL	22	32	46	68	100
Density @ 15°C, kg/cu.m	0.866	0.874	0.879	0.881	0.886
Kinematic Viscosity @ 40°C, cSt	22	32	46	68	100
Kinematic Viscosity @ 100° C, cSt	4.3	5.4	6.7	8.6	11.2
Viscosity Index	102	101	98	97	98
Flash Point, COC,°C	204	210	216	220	226
Pour Point, °C	-21	-18	-15	-12	-12
TAN, mgm KOH/gm	0.15	0.15	0.15	0.15	0.15
Demulsibility	40-40-0	40-40-0	40-40-0	40-40-0	40-40-0
Rust Test (Method B) Oxidation (TOST) Hours to T.A.N. 2	No rust Pass	No rust Pass	No rust Pass	No rust Pass	No rust Pass



# LUBCON TECHNO VDL

## Severe-Duty Robust Performance compressor oil

LUBCON Techno VDL is superior quality oil with high degree of rust & oxidation protection designed from specially selected mineral base fluids and unique additive package to provide a level of performance approaching that of synthetic oils. Expressly recommended for Industrial reciprocating air compressors operating high air-delivery temperature of up to 200 deg C. Also used for Oil flooded or oil injected, single or two-stage Rotary sliding vane/Screw air compressors, operating at pressures of up to 10 bar/20 bar and with air discharge temperatures of up to 100 deg C.

### Specifications:

DIN 51506 VDL, ISO 6743-3: 2003 DAA Normal Duty

### Benefits:

- Longer oil life with smooth operations.
- Long term corrosion, wear and rust protection.
- Outstanding low volatility and minimum carbon deposit formation tendency to avoid the risk of fires and explosion.

### Typical Characteristics

ISO Viscosity Grade - VDL	22	32	46	68	100	150
Density @ 15°C, kg/cu.m	0.866	0.874	0.879	0.881	0.886	0.895
Kinematic Viscosity @ 40°C, cSt	22	32	46	68	100	150
Kinematic Viscosity @ 100° C, cSt	4.3	5.4	6.7	8.6	11.2	14.8
Viscosity Index	102	101	98	97	98	97
Flash Point, COC,°C	204	210	216	220	226	236
Pour Point, °C	-21	-18	-15	-12	-12	-12
TAN, mgm KOH/gm	0.30	0.30	0.30	0.30	0.30	0.30
Demulsibility	40-40-0	40-40-0	40-40-0	40-40-0	40-40-0	40-40-0
Sulphated Ash, % wt	0.06	0.06	0.06	0.06	0.06	0.06



# LUBCON TECHNO SPIN

## High performance zinc-free, anti-wear Spindle oil



LUBCON Techno Spin is advanced solvent refined mineral oil blended to perfection with zinc-free, anti-wear additive package to provide extended performance and protection spindles and circulatory or certain hydraulic systems. Expressly recommended for the lubrication of high-speed spindles used in hosiery, textile and knitwear machineries. Also used for some industrial hydraulic transmission and control systems containing steel-on-bronze and silver lubrication surfaces.

### Specifications:

Cincinnati Milacron P62(10), NF E 60-200, DIN 51517 Part 2 CL10/CL22, British Standard 6413 /2

### Benefits:

- Strong film strength to maintain the required boundary film at very high speed.
- Improved anti-wear capability to provide smooth machine needles operations.
- Long term rust and corrosion protection.

### Typical Characteristics

ISO Viscosity Grade	5	10	15	22
Density @ 15°C, kg/cu.m	0.851	0.859	0.861	0.866
Kinematic Viscosity @ 40°C, cSt	5	10	15	22
Kinematic Viscosity @ 100° C, cSt	-	2.67	3.4	4.3
Viscosity Index	>100	102	102	102
Flash Point, COC, °C	146	160	166	204
Pour Point, °C	-30	-30	-27	-21



# LUBCON TECHNO COOLCUT

## High performance emulsifiable cutting oil

LUBCON Techno Coolcut is general purpose soluble oil formulated with highly refined base stocks and well-balanced additive package which forms stable emulsions with water for use as coolant and lubricant in metalworking operations. Expressly recommended for wide variety of machining operations on ferrous and non-ferrous metals, such as turning, boring, milling, drilling, tapping, threading and cold sawing. Also used for grinding operations and all other cutting operations where soluble oil without EP properties is applicable.

### Specifications:

LUBCON Techno Coolcut should be used in the following water to oil ratios: General machining 10:1 to 35:1 & Grinding machining 35:1 to 50:1

### Benefits:

- Non-phenolic and nitrite-free soluble oil forms homogenous and extreme stable milky emulsion in both hard and soft water with good anti-corrosion properties.
- Outstanding lubricating and cooling power necessary to ensure good work piece finish and extended tool life.
- Contains biocides that effectively control bacterial and fungal growth to give a long service life and to prevent emulsion breakdown and spoilage.
- High level of reserve alkalinity neutralizes acids to provide effective rust protection of parts and also improves the emulsion's resistance to bacterial degradation.

### Typical Characteristics

Appearance	Amber liquid
Emulsion Type	Dense White
Density @ 15°C, kg/cu.m	0.921
Kinematic Viscosity @ 40°C, cSt	37
Reserve Alkalinity, meq HCL/mL	0.16
pH @ 5% Concentration	8.9
Corrosion test	Pass

### Important to note:

LUBCON Techno Coolcut should be poured gradually into the full volume of water, never the reverse and gently maintain the agitation until all the oil has been added and a uniform emulsion obtained.

# LUBCON TECHNO KNIT

## High performance textile oil

LUBCON Techno Knit is a blend of highly refined mineral oil and unique R&O inhibitor, lubricity agent, emulsifier, anti-static and anti-fogging additives to meet the requirement of modern knitting machines. Expressly recommended for Circular double-knit, full fashioned, circular single-knit and tricot machine operations by using any bath, spray and mist applications.

### Specifications:

Meets the requirement of all industrial knitting machines

### Benefits:

- Effective emulsifier ensures excellent wash ability and rinse-out of fabrics in water in even of contact with oil.
- Improved anti-wear capability to provide smooth machine knitting operations.
- Anti-fogging agents minimize formation of stray mist, helping to reduce oil consumption and maintain a cleaner workplace.

### Typical Characteristics

ISO Viscosity Grade	22
Density @ 15°C, kg/cu.m	0.866
Kinematic Viscosity @ 40°C, cSt	22
Kinematic Viscosity @ 100° C, cSt	4.3
Viscosity Index	102
Flash Point, COC, °C	204
Pour Point, °C	-21
Rust preventing test (D665B)	Pass



# LUBCON TECHNO HT

## High performance Heat transfer oil

LUBCON Techno HT is formulated with carefully selected, high quality solvent refined, medium to high viscosity index mineral oils to provide the highest level of protection & performance in indirect closed fluid heat transfer systems operating at temperatures up to 320 deg C. Can also be used in hot or cold quenching system. The life of LUBCON Techno HT depends on the design and usage of the system. If the system is well designed, and not subjected to abnormal workloads the oil life can be many years.

### Benefits:

- Long term rust, oxidation and corrosion protection.
- Excellent resistance to sludging and fouling of heat transfer zones.
- High specific heat and thermal conductivity for effective heat transfer.

### Typical Characteristics

ISO Viscosity Grade	22	32	46	68	100
Density @ 15°C, kg/cu.m	0.866	0.874	0.879	0.881	0.886
Kinematic Viscosity @ 40°C, cSt	22	32	46	68	100
Kinematic Viscosity @ 100° C, cSt	4.3	5.4	6.7	8.6	11.2
Viscosity Index	102	101	98	97	98
Flash Point, COC, °C	204	210	216	220	226
Pour Point, °C	-21	-18	-15	-12	-12
Initial Boiling Point, °C	Above 355	-	-	-	-
Coefficient of Thermal expansion per °C	0.00076	-	-	-	-
TAN, mg KOH/g	0.05	0.05	0.05	0.05	0.05
Conradson Carbon Residue, %	0.1	0.1	0.1	0.1	0.1

# LUBCON TECHNO PNEUMATIC

## High performance, arduous-duty pneumatic tool oil

LUBCON Techno pneumatic is a blend of highly refined mineral oils and selected additive package chosen for their ability to maintain high film strength and effectively lubricate the demanding requirements of pneumatic drill impact mechanisms. Specifically recommended for the lubrication of heavy duty percussion type pneumatic tools and rock drills, used in mining, construction and other services, subject to heavy, sustained and shock loads at high temperatures. Also used in gear and bearing lubrication systems subject to water ingress.

### Specifications:

Gardner-Denver and other pneumatic tool manufacturers

### Benefits:

- Outstanding emulsifying power to lubricate the working surfaces effectively.
  - Excellent oiliness property to maintain a strong lubricant film.
  - Improved extreme pressure properties to control excessive wear and prevent severe surface damage.
- Good low temperature fluidity resists oil build-up in areas cooled by rapid air expansion.

### Typical Characteristics

ISO Viscosity Grade	22	32	46	68	100	150	220	320	460
Density @ 15°C, kg/cu.m	0.866	0.874	0.879	0.881	0.886	0.895	0.898	0.903	0.908
Kinematic Viscosity @ 40°C, cSt	22	32	46	68	100	151	220	320	460
Kinematic Viscosity @ 100° C, cSt	4.3	5.4	6.7	8.6	11.2	14.8	19.1	24.4	30.8
Viscosity Index	102	101	98	97	98	97	97	97	97
Flash Point, COC, °C	204	210	216	220	226	236	242	260	280
Pour Point, °C	-21	-18	-15	-12	-12	-12	-12	-6	-6



# LUBCON TECHNO SLIDEWAY

## Heavy-duty, Stick-slip performance machine tool slideway oil

LUBCON Techno Slideway is a premium quality, friction performance, multipurpose workshop oil, formulated with highly refined base stocks and unique friction modifier system based on inactive Sulfur chemistry to enhance their tackiness, anti-wear and stick-slip characteristics. Recommended for the lubrication of all machine tool slideways and guides and for machines which have a combined hydraulic and slideways lubrication system. Also suitable for gear and headstock lubrication.

### Specifications:

Cincinnati Milacron & other machine tool manufacturers, DIN 51524 HLP, ISO/DIS 6743-13

### Benefits:

- Improved proper frictional characteristics to prevent stick slip and chatter thus ensuring smooth machining and dimensional precision.
- Adequate adhesiveness to maintain film even at vertical surfaces.
- Outstanding separation capability for aqueous based cutting fluids.

### Typical Characteristics

ISO Viscosity Grade	32	68	100	220
Density @ 15°C, kg/cu.m	0.874	0.881	0.886	0.898
Kinematic Viscosity @ 40°C, cSt	32	68	100	220
Kinematic Viscosity @ 100° C, cSt	5.4	8.6	11.2	19.1
Viscosity Index	101	97	98	97
Flash Point, COC, °C	210	220	226	242
Pour Point, °C	-18	-12	-12	-12
CM Stick Slip Ratio (0.8 max)	0.76	0.76	0.76	0.73

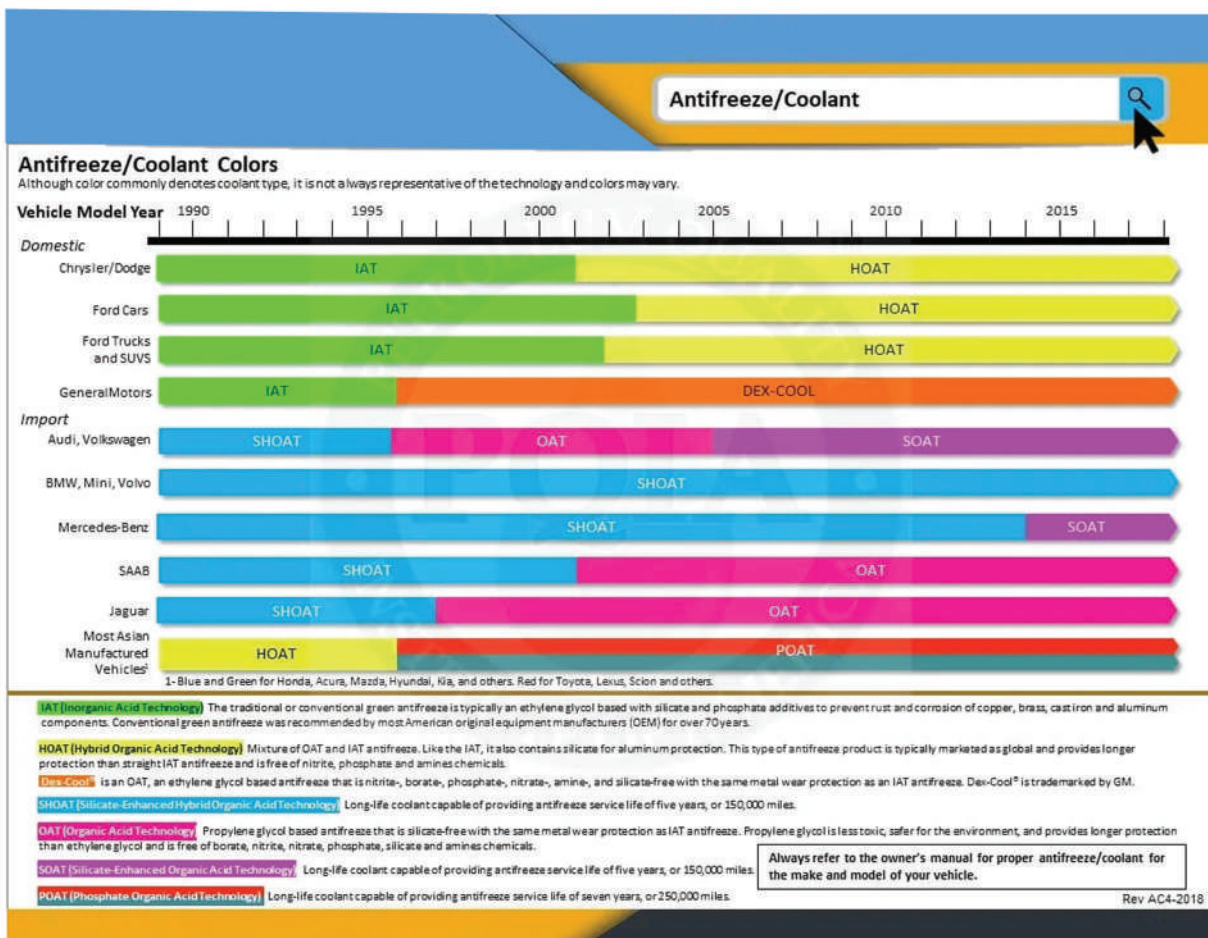
## Choose the Right Coolant & Brake Oil

Make sure you have the right type of coolant. The wrong one could void your warranty as well as not protect the cooling system from corrosion. Before you buy any type of coolant, check the manual of your car and talk to your auto specialists.

Many drivers find the brake fluid fairly confusing. A few years ago, the majority of cars used Dot 3 fluid for their brakes; however, now there are Dot 4 and Dot 5 available. The numbers are misleading and cause many people to believe that it is an upgrade; 4 must be better than 3 and 5 must be better than 4. This is not the case. The different numbers is about the formulations and work for different types of brake systems. You should only opt for the one recommended in your manual. The same applies for the transmission fluid. Before, there were just two types that you have to choose between: one that was friction modified and one that was not. As the transmissions have advanced, this has changed and there are new fluids to help with the lubrication and protection of the various types of systems.

The above types of fluid are not the only cases where advances are important and they are not the most important factors. You need to be careful when getting your oil changed with your choice of engine and industrial oil. The newer advances in the fluids are just as important as the creation of the newer engines. It is essential to make sure you use the right type of engine oil, coolant, transmission and brake fluid for your type of vehicle since so many are created with specific engines in mind.

For peace of mind, knowing your car or machine is getting the best possible care, call us today.



# LUBCON SPECIAL XHD-4

## Severe-duty glycol type automotive brake fluid

LUBCON Special XHD DOT 4 is a premium quality, long-life performance modern synthetic brake fluid with excellent viscosity-temperature properties, formulated with water soluble Polyglycol to provide protection for a wide range of conventional hydraulic brake and clutch systems. It provides an additional safety margin against "Vapor Lock". It is non-aggressive against rubber and plastic materials. It is specially designed to respond to varying braking demands, meaning it is compatible with ABS braking systems.

### Specifications:

DOT 4, SAE J1704, ISO 4925 (Class 3 & 4), Chrysler FMVSS 116 DOT 4, JIS K 2233, BMW, VW, GMH HN 1796, AS 1960.1-2005 (Grade 3), FORD ESZ-M6C55-A

### Benefits:

- Exceptional lubrication power to eliminate friction and wear between the pistons and cylinders in the brake system.
- Outstanding water versatility ensures a long-term brake system safety.
- Perfectly compatible with elastomers to prevent trouble with gaskets and seals

### Typical Characteristics

FMVSS Grade	DOT 4 (Min.)	DOT 4 (Typical)
Density @ 20°C, kg/cu.m	-	1.045
Kinematic Viscosity @ -40°C, cSt	1800	1331
Kinematic Viscosity @ 100°C, cSt	1.5	2.2
Equilibrium Reflex Boiling Point (ERBP), °C	230	245
Wet ERBP, °C	155	165
pH value	7.0 – 11.5	8.70



# LUBCON SPECIAL HD-3

## Heavy-duty glycol type automotive brake fluid

LUBCON Special HD DOT 3 is a premium quality, long-life performance synthetic fluid with excellent viscosity-temperature properties, designed with water soluble Polyglycol to provide protection for a wide range of conventional hydraulic brake and clutch systems.

### Specifications:

FMVSS 116 DOT 3, SAE J1703/J1704, ISO 4925 (Class 3), CUNA NC 956 DOT 3, IVECO 18-1820 specs

### Typical Characteristics

FMVSS Grade	DOT 3 (Min.)	DOT 3 (Typical)
Density @ 20°C, kg/cu.m	-	1.12
Kinematic Viscosity @ -40°C, cSt	1800	1450
Kinematic Viscosity @ 100°C, cSt	1.5	2.10
Equilibrium Reflex Boiling Point (ERBP), °C	205	210
Wet ERBP, °C	140	145
pH value	7.0 – 11.5	8.9

# LUBCON SPECIAL ANTIFREEZE

High performance, silicate type, anti-freeze coolant



LUBCON Special Antifreeze is a high quality, long-life performance cooling liquid with high level of alkalinity reserve, based on mono-ethylene glycol with improved stability towards the presence of silicates and state of art corrosion inhibitor to meet the increasing requirements of the cooling systems of modern Passenger car and light-duty commercial vehicle gasoline & diesel engines operating at ever increasing temperatures.

## Specifications:

ASTM D3306, JAGUAR APPROVAL, SAE J1034, Opel-Vauxhall QL 13 0100, MAN 324, Saab 69 01 599, Rover BLS.22.AF.01, BMW N 600 69.0, Ford ESD-M97B-49A, Volkswagen TL 774B/C, Meets the phosphate-free requirements of European manufacturers

## Benefits:

- Inhibits buildup of mineral scales and rust thus provides no risk of overheating.
- Low freezing point prevents engine block cracking at lower temperatures.
- Prevents excessive evaporation and boiling over.
- Nitrite, amine & Phosphate-free formulation allows mixing of coolant with relatively hard water.

## Typical Characteristics

Concentration	100%
Color	Blue
Density @ 15°C, kg/cu.m	1.128
Kinematic Viscosity @ 20°C, cSt	23
Flash Point (PMCC), °C	118
Water content, % wt	2.4
Reserve Alkalinity, mL	14.0
Silicate Content, % wt	0.11
Freezing point, 50% v/v in distilled water, °C	-39
Freezing point, 33% v/v in distilled water, °C	-20
pH value, 50% v/v in distilled water	7.7
pH value, 33% v/v in distilled water	8.2



# LUBCON SPECIAL TOIL

Top quality, High Di-electric strength transformer oil

LUBCON Special TOIL is long- life performance insulating oil and coolant with high level of dielectric strength, designed with extremely filtered thermally & chemically stable base stock to provide protection for a wide range of transformers and rheostats, circuit breakers, oil-immersed high-voltage switchgears, condensers, tap changers, electrical reclosures, fuses and other electrical equipments, operating under critical conditions, subject to great thermal stresses.

## Specifications:

Transformer Oil Inhibited: ASTM D3487 Type IIA (inhibited), Transformer Oil: ASTM D3487 Type II

## Benefits:

- Excellent fluidity provides efficient functioning at extremely low temperature and ensures superior convective and conductive heat transfer to improve cooling of transformer components.
- High dielectric strength and low dissipation factor provide superior insulating performance.
- Improved resistance to acid and sludge formation due to absence of asphaltic and resinous materials.
- Effective anti-oxidation inhibitor controls the formation of sludges, deposits and soluble compounds which break down the electrical properties of the oil.

## Typical Characteristics

Transformer Oil Type	IIA	II
Density @ 20°C, kg/cu.m	0.825	0.825
Kinematic Viscosity @ 40°C, cSt	8.9	8.9
Kinematic Viscosity @ 100°C, cSt	2.4	2.4
Flash Point, COC, °C	154	154
Pour Point, °C	-48	-48
Interfacial Tension @ 25°C, mN/m	46	45
Dissipation factor @ 100°C, %	<0.11	<0.15
Dielectric Strength (D877), KV	70	70
Polychlorinated biphenyls (PCB) content (IEC 6161)	Nil	Nil



## Choose the Right Marine Engine Oil

The marine engine is the heart of boat and ships. The critical aspect is choosing the right oil for your marine engine. Engines that are not supplied with the right marine oil, in terms of both quality and type, are highly likely to underperform, have shorter lifespans, and even break down. The product must be capable of protecting against corrosion and deposits, all the while not jeopardizing the speed, acceleration, and overall performance of the marine engine. This refers to both, inboard and outboard marine engines. Inboard marine engine is a propulsion system that is enclosed within the hull of the boat, typically connected to a propulsion screw by a driveshaft, as opposed to an outboard motor where an engine is mounted outside the hull of the craft. We strongly recommend that you consult your owner's manual or contact the engine manufacturer for advice regarding which oil is optimal for your particular engine.



# LUBCON TITANIC SYS

## High performance, multi-purpose system oil

LUBCON Titanic SYS is a premium quality, alkaline based, marine multi-functional system oil, formulated with highly refined base oils and balance additive package to provide performance and protection for crankcase lubrication of large crosshead type, high-output, low-speed marine diesel engines, equipped with oil-cooled pistons, used in stationary, railroad and marine propulsion services.

### Specifications:

API CD, US Military Mil-L-2104C (obsolete), Sulzer Fully approved for low-speed crosshead marine diesel engines, MAN B&W Fully approved for low-speed crosshead marine diesel engines

### Benefits:

- Excellent resistance to corrosion by salt water.
- Good water shedding properties particularly suitable for crosshead engines which use water cooling systems to control piston crown temperatures.
- Excellent oxidation stability with negligible deposits in piston cooling spaces.
- Excellent dispersancy keeps sump tanks free from sludge and allows contaminants to be removed by filtration or by centrifugal separation.

### Typical Characteristics

SAE Viscosity Grade	30	40
Density @ 15°C, kg/cu.m	0.886	0.895
Kinematic Viscosity @ 40°C, cSt	100	151
Kinematic Viscosity @ 100°C, cSt	11.2	14.8
Viscosity Index	98	97
Flash Point, COC, °C	226	236
Pour Point, °C	-21	-18
TBN, mgm KOH/gm	7	7
Sulphated Ash, % wt	0.9	0.9
Load Carrying Capacity (FZG Gear Machine)	12	12



# LUBCON TITANIC TPEO 30

## High performance, heavy duty, low oil stress Marine oil

LUBCON Titanic TPEO 30 is a multi-functional crankcase lubricant, formulated with highly refined base oils and balance additive package to provide performance and protection for certain medium-speed marine diesel engines operating on residual, blended or distillate fuels, under low oil stress conditions and where load factors are below 70%, or where fuels with Sulphur <2% are in use.

### Benefits:

- High thermal behavior and excellent oxidation stability.
- Exceptional protection against wear, ring sticking, rust and corrosion to ensure long life of moving parts and reduce the need for engine servicing.
- Strong demulsibility power and filterability.

### Typical Characteristics

SAE Viscosity Grade	30	40
Density @ 15°C, kg/cu.m	0.886	0.895
Kinematic Viscosity @ 40°C, cSt	100	151
Kinematic Viscosity @ 100°C, cSt	11.2	14.8
Viscosity Index	98	97
Flash Point, COC, °C	226	236
Pour Point, °C	-21	-18
TBN, mgm KOH/gm	30	30
Sulphated Ash, % wt	3.7	3.7
Load Carrying Capacity (FZG Gear Machine)	11	11

# LUBCON TITANIC TPEO 40

## Super performance, highly-rated, high oil stress Marine oil

LUBCON Titanic TPEO 40 is a multi-functional crankcase lubricant, designed with highly refined base oils and balance additive package to provide performance and protection for highly rated medium-speed marine diesel engines operating on residual fuels, under high oil stress conditions and where load factors are below 85%, or where fuels with Sulphur <3% are in use. It has been further optimized to improve deposit control.

### Benefits:

- Efficient control over piston deposit, sludge, lacquer and asphaltene related deposits in engine cold areas, i.e. crankcase and sump.
- High detergency/low dispersancy formulation releases contaminants and water readily in centrifugal separators and keeps the engine clean.
- Good stability in the presence of fuel contamination.

### Typical Characteristics

SAE Viscosity Grade	30	40
Density @ 15°C, kg/cu.m	0.886	0.895
Kinematic Viscosity @ 40°C, cSt	100	151
Kinematic Viscosity @ 100°C, cSt	11.2	14.8
Viscosity Index	98	97
Flash Point, COC, °C	226	236
Pour Point, °C	-21	-18
TBN, mgm KOH/gm	40	40
Sulphated Ash, % wt	4.9	4.9
Load Carrying Capacity (FZG Gear Machine)	11	11



# LUBCON TITANIC 5040

## Severe-duty, highly-rated Cylinder oil

LUBCON Titanic 5040 is a premium quality, new generation cylinder lubricant, designed with highly refined base oils and unique additive package to provide highest level of performance and protection for cylinder lubrication of most modern large crosshead type, high-output, low-speed marine diesel engines used in stationary, railroad and marine propulsion services, burning poor quality residual fuel with sulfur content of upto 4% under higher pressure, higher temperature and longer strokes.

### Benefits:

- Efficient deposit control on pistons, piston rings, ring grooves, under piston spaces and in cylinder ports ensures long life of moving parts and reduce the need for engine servicing.
- Outstanding protection against low cylinder and piston ring wear with typical cylinder wear rates below 0.05mm per 1000 hours due to enhanced boundary lubrication properties.
- Exceptional acid neutralizing properties help to prolong the components life and keep the engine clean.

### Typical Characteristics

SAE Viscosity Grade	50
Density @ 15°C, kg/cu.m	0.898
Kinematic Viscosity @ 40°C, cSt	220
Kinematic Viscosity @ 100°C, cSt	19.1
Viscosity Index	97
Flash Point, COC, °C	242
Pour Point, °C	-15
TBN, mgm KOH/gm	40
Sulphated Ash, % wt	5.1

## Choose the Right Grease

Selecting the right grease is crucial to maximize the performance of your application. A proper grease product recommendation requires an extensive insight into all involved working elements:

- Operating temperature and conditions
- Load regime
- Rotation speed
- Type of application

Once all the above-mentioned parameters are determined, the following performance properties of the grease are used as selection criteria:

- Dropping point
- Water washout
- Pumpability
- Environmental friendliness

These properties are mostly defined by the application conditions: water, extreme pressure performance, steam, temperature, food industry, bio degradable, harsh conditions, ...

For example, it is not necessary to use a high temperature grease when the bearing is mostly working at ambient temperature. And a light loaded high speed bearing does not need high performance EP additives. A good rule of the thumb is to use greases with higher NLGI grades for applications with higher speeds.



## LUBCON DELTA GP

### Good performance, general-purpose grease

LUBCON Delta GP is a good quality, smooth-textured, general-purpose grease based on highly refined base oils and Calcium soap thickener fortified with anti-oxidant, anti-wear and anti-rust additives to provide performance and protection for general applications operating under normal conditions and in heavy wet environments. Suitable for the lubrication of vehicle chassis, water pump, farm, workshop and construction-site machineries and other services, when water-resistant are an important consideration.

#### Typical Characteristics

NLGI Consistency	1	2	3
Color	Amber	Amber	Amber
Range of use, °C	-20 to +52	-20 to +52	-20 to +52
Dropping point, °C	90 - 95	90 - 95	90 - 95
Pumpability, long distance	Good	Fair	Fair
Cone Penetration	310 - 340	265 - 295	220 - 250



## LUBCON DELTA MP

### High performance, multi-purpose grease

LUBCON Delta MP is a high quality, smooth-textured, low noise grease based on highly refined base oils and lithium hydroxy stearate soap thickener fortified with anti-oxidant, anti-wear and anti-rust additives to provide performance and protection of rolling element and plain bearings and for general industrial applications under a wide range of operating conditions, including elevated temperatures and in the presence of moisture.

#### Typical Characteristics

NLGI Consistency	00	0	1	2	3
Color	Amber	Amber	Amber	Amber	Amber
Range of use, °C	-30 to +120	-30 to +120	-30 to +130	-30 to +130	-30 to +130
Dropping point, °C	170 - 175	180 - 185	180 - 185	180 - 185	180 - 185
Pumpability, long distance	Excellent	Excellent	Good	Fair	Fair
Cone Penetration	400 - 480	335 - 385	310 - 340	265 - 295	220 - 250

# LUBCON DELTA EP

## Excellent performance, extreme-pressure grease

LUBCON Delta EP is a premier quality, smooth-textured, multi-functional, extreme pressure grease based on a blend of highly refined base oils and lithium hydroxy stearate soap thickener and lead-free extreme-pressure and other proven additives to enhance effectiveness in a wide range of industrial applications. Expressly recommended for industrial heavy duty plain and rolling element bearings under severe loads and in wet environments. Also suitable for Automotive Wheel Bearings (Taper & rolling), Chassis, Universal joints, Water pump and Generator bearings, cables, throttle, brake linkages, King-pin front suspension & steering and transmission joints.

### Typical Characteristics

NLGI Consistency	00	0	1	2	3
Color	Light Brown	Light Brown	Light Brown	Light Brown	Light Brown
Range of use, °C	-30 to +100	-30 to +100	-20 to +120	-20 to +120	-20 to +120
Dropping point, °C	170 - 175	180 - 185	180 - 185	180 - 185	180 - 185
Pumpability, long distance	Excellent	Excellent	Good	Fair	Fair
Cone Penetration	400 - 480	335 - 385	310 - 340	265 - 295	220 - 250



# LUBCON DELTA MOLY

## Severe duty, high temperature grease

LUBCON Delta Moly is a top quality, smooth-textured, high temperature grease designed with highly refined base oils, lithium complex soap thickener and lead-free extreme-pressure and other proven additives to provide superior protection and performance for the lubrication of Heavy duty slow plain and rolling element bearings operating under severe/shock loads, high temperature and water rich environments in Steel, Mining, Cement, Paper and Chemical sectors. It also contains molybdenum disulphide to provide resistance to shock loading.

### Typical Characteristics

NLGI Consistency	1	2
Color	Dark Grey	Dark Grey
Range of use, °C	-20 to +150	-20 to +150
Dropping point, °C	255	260
Pumpability, long distance	Good	Fair
Cone Penetration	310 - 340	265 - 295



## LUBCON

"Nano Technology"

**AR** تتزايد ظروف التشغيل القاسية والمتطلبات الصارمة عامًا بعد عام والتي تتطلب مادة تشحيم يمكن أن تؤدي أداءً جيدًا طوال الوقت. لمعالجة هذه المشاكل، أنشأنا زيت لوبكون **زيت البكر** باستخدام تقنية النانو مع زيوت أساسية عذراء وحزم مضافة أكثر كفاءة. **لوبكون** هي العلامة التجارية الناشئة في العالم والتي:

- \* التحكم الفعال في التآكل والاحتكاك والترسبات.
- \* يوفر الأداء الأمثل وكفاءة محسنة للوقود.
- \* يقلل من استهلاك الزيت.
- \* يوفر تكاليف الصيانة.

**EN** Severe operating conditions and stringent requirements are increasing year after year that demand a lubricant which can perform well all the time. To tackle these problems, we created **Lubcon Lubricants** by using Nanotechnology with most efficient virgin base oils and additive packages. **Lubcon** is the world's emerging brand that:

- \* Effectively control wear, friction and deposits.
- \* Delivers optimum performance and improves fuel efficiency.
- \* Lowers oil consumption.
- \* Saves on maintenance costs.

**FR** Les conditions de fonctionnement sévères et les exigences strictes augmentent d'année en année et exigent un lubrifiant qui peut bien fonctionner tout le temps. Pour résoudre ces problèmes, nous avons créé **Lubcon Lubricants** en utilisant la nanotechnologie avec les huiles de base vierges et les packages d'additifs les plus efficaces. **Lubcon** est la marque émergente mondiale qui :

- \* Contrôler efficacement l'usure, la friction et les dépôts.
- \* Offre des performances optimales et une meilleure efficacité énergétique.
- \* Réduit la consommation d'huile.
- \* Économise sur les coûts de maintenance.

0 ليتر

Formulated in USA  
Manufactured in UAE in a licensed and certified plant  
Virgin Base Oil زيت البكر

Caution: All oils contain potentially harmful contaminants. Avoid skin and eye contact. Wash skin thoroughly after handling.  
تحذير: تحتوي الزيوت على ملوثات ضارة. تجنب الاتصال بالجلد والعيون. اغسل يديك جيدًا بعد التعامل مع الزيت.  
Keep your City Clean تجنب تلويث البيئة Avoid Environmental Pollution



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RAK, UNITED ARAB EMIRATES.



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