



# Product CATALOG

# WELCOME TO CATALOG



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## MOMENTA PLATINUM

**Classification:** API: CK-4/SN2

**SYNTHETIC/ SEMISYN**

Momenta Platinum is a low SAPS heavy-duty engine oil that helps extend engine life in the most severe on and off-highway applications while delivering outstanding performance in modern high-output, low-emission engines fitted with EGR, DPF, DOC, and SCR-AdBlue NOx reduction systems. The exceptional low-temperature fluidity and pumpability, in combination with the sophisticated additive system, ensure maximum engine wear performance and support longer engine life. It is designed for on-road vehicles meeting Euro VI and off-road vehicles meeting Euro IV stage emission norms.

**OEM Approvals:**

MB-Approval 228.51(SAE10W-40)

**Performance Levels (Meets & Exceeds):**

API CK-4/SN

Deutz DQC IV-18 LA

Deutz DQC IV-18 LA

ACEA E6/E7/E9-16

MAN M3677/M3777

MAN M3677/M3777

Mack EOS-4.5

Volvo VDS-4.5

Volvo VDS-4.5

Caterpillar ECF-3

Renault RLD-4

Renault RLD-4

## MOMENTA PLATINUM HD

**Classification:** API: CK-4/SN2

**SYNTHETIC/ SEMISYN**

Momenta Platinum is a low ash heavy-duty engine oil that helps extend engine life in the most severe on and off-highway applications while delivering outstanding performance in modern high-output, low-emission engines fitted with EGR, DPF, DOC, and SCR-AdBlue NOx reduction systems. The exceptional low-temperature fluidity and pumpability, in combination with the sophisticated additive system, ensure maximum engine wear performance and support longer engine life.

**OEM Approvals:**

VolvoVDS4.5(15W-40)

RenaultVIRLD-3(15W-40)

MackEOS-4.5(15W-40)



## AUTOMOTIVE DIESEL ENGINE

### Performance Levels (Meets & Exceeds):

API CK-4/SN	Deutz DQC IV-18 LA	Deutz DQC IV-18 LA
ACEA E6/E7/E9-16	MAN M3677/M3777	MAN M3677/M3777
Mack EOS-4.5	Volvo VDS-4.5	Volvo VDS-4.5
Caterpillar ECF-3	Renault RLD-4	Renault RLD-4

## MOMENTA NANO UHPD

**Classification:** API: CJ-40W-30

SYNTHETIC / SEMI SYN

Momenta Nano UHPD is a synthetic high performance engine oil which is particularly suitable for use in all on-highway diesel heavy-duty application and is also compatible with most gas engines. The new advanced "mid SAPS" technology meeting Euro VI help towards long engine life and maintain the efficiency of post-treatment systems such as diesel particulate filters (DPFs).

### OEM Approvals:

VolvoVDS4.5(15W-40)  
RenaultVIRLD-3(15W-40)  
MackEOS-4.5(15W-40)

### Performance Levels (Meets & Exceeds):

API CK-4/SN	Deutz DQC IV-18 LA	Deutz DQC IV-18 LA
ACEA E6/E7/E9-16	MAN M3677/M3777	MAN M3677/M3777
Mack EOS-4.5	Volvo VDS-4.5	Volvo VDS-4.5
Caterpillar ECF-3	Renault RLD-4	Renault RLD-4

## MOMENTA NANO PLUS

**Classification:** API: CJ-4/SN

FULLY SYNTHETIC

0W-30

Momenta Nano Plus is a synthetic, high performance heavy duty diesel engine oil that helps extend engine life and improve fuel economy in modern diesel engines operating in severe conditions. Momenta Nano Plus meets the API CJ-4 specification utilising state-of-the-art technology to deliver exceptional performance in modern low emission engines, including those with Exhaust Gas Recirculation (EGR), After Treatment systems with Diesel Particulate Filters (DPF's) and Diesel Oxidation Catalysts (DOC's).

### Performance Levels (Meets & Exceeds):

API CJ-4/SN

MAN M3477/3575

Mack EO-O PP

ACEA E9

VOLVO VDS-4

Cummins CES 20081

MB 228.31

Renault RLD-3

DEUTZ DQC III-10 LA

Caterpillar ECF-3

DDC 93K218

FORD WSS-M2C171-F1

## MOMENTA NANO PLUS

**Classification:** API: CJ-4/SN 10W-30

SYNTHETIC / SEMI SYN

Momenta Nano Plus is a premium performance semi synthetic low emission heavy-duty engine oil designed for naturally aspirated and turbocharged four-stroke diesel and petrol engines in on- and off-highway and construction machinery applications. It is formulated with a range of latest technology dispersant, detergent, oxidation inhibition, anti-wear, anti-corrosion, viscosity improver and foam suppression additives and is recommended for extended drain intervals.

### OEM Approvals:

Volvo VDS-4 (SAE 15W-40)

Mack EO-O Premium Plus (SAE15W-40)

Renault VI RLD-3 (SAE 15W-40)

MAN M3477 (SAE 10W-40)



## AUTOMOTIVE DIESEL ENGINE

### Performance Levels (Meets & Exceeds):

API CJ-4/SN	MAN M3477/3575	DDC 93K218
ACEA E9	VOLVO VDS-4	Mack EO-O PP
MB 228.31	Renault RLD-3	Cummins CES 20081
Caterpillar ECF-3		DEUTZ DQC III-10 LA
		FORD WSS-M2C171-F1

## MOMENTA NANO PLUS

**Classification:** API: CJ-4/SN SEMI SYNTHETIC 10W-30

Momenta Nano Plus is a premium performance semi synthetic low emission heavy-duty engine oil designed for naturally aspirated and turbocharged four-stroke diesel and petrol engines in on- and off-highway and construction machinery applications. It is formulated with a range of latest technology dispersant, detergent, oxidation inhibition, anti-wear, anti-corrosion, viscosity improver and foam suppression additives and is recommended for extended drain intervals.

### OEM Approvals:

- Volvo VDS-4 (SAE 15W-40)
- Mack EO-O Premium Plus (SAE 15W-40)
- Renault VI RLD-3 (SAE 15W-40)
- MAN M3477 (SAE 10W-40)

### Performance Levels (Meets & Exceeds):

API CJ-4/SN	Renault RLD-3
ACEA E9	DDC 93K218
MB 228.31	Mack EO-O PP
Caterpillar ECF-3	Cummins CES 2008
MAN M3477/3575	DEUTZ DQC III-10 LA
VOLVO VDS-4	FORD WSS-M2C171-F1

## MOMENTA NANO XHPD

**Classification:** API: CI-4

**5W-40 SYNTHETIC**

Momenta Nano XHPD is a synthetic extra high performance diesel engine oil developed to provide outstanding lubrication for modern, high performance diesel engines operating in severe on and off-highway applications. This product has been blended with highest performance base oils which provide excellent low temperature fluidity, high temperature viscosity retention, volatility control, and fuel economy improvement. These base oils are fortified with an advanced additive system which assures superior control of oil thickening caused by soot buildup and high temperature oxidation. It is formulated to provide long oil drain intervals in modern diesel engines.

### **Performance Levels (Meets & Exceeds):**

API CI-4	Scania LDF-2
ACEA E7, E4	MACK EO-M Plus
MB 228.5	Cummins CES 20077/78
MAN M3277	Renault RXD/RLD-2 MTU Type 3
Volvo VDS-3	

## MOMENTA NANO LE

**Classification:** API: CI-4

**SYNTHETIC 5W-30**

Momenta Nano XHPD is a synthetic extra high performance diesel engine oil developed to provide outstanding lubrication for modern, high performance diesel engines operating in severe on and off-highway applications. This product has been blended with highest performance base oils which provide excellent low temperature fluidity, high temperature viscosity retention, volatility control, and fuel economy improvement. These base oils are fortified with an advanced additive system which assures superior control of oil thickening caused by soot buildup and high temperature oxidation. It is formulated to provide long oil drain intervals in modern diesel engines.





## MOMENTA LDF3

**Classification:** API: CF

**SYNTHETIC**

Momenta LDF3 is a synthetic extra high performance diesel engine oil designed to provide outstanding lubrication and protection for modern, high performance diesel engines used in severe on and off-highway applications. It is blended using high performance base oils which are enhanced with an advanced additive system that provides long drain intervals in modern diesel engines. It is recommended for Euro VI and previous engine models of most manufacturers.

### **Performance Levels (Meets & Exceeds):**

API CF	MTU Type 3
ACEA E7/E4	Mack EO-M Plus
MB 228.5/235.28	DEUTZ DQC III-10
Scania LDF-3	Volvo VDS-3
DAF Extended Drain	FORD WSS-M2C212-A1
MAN M 3277	VOITH Class B
Cummins CES 20077	IVECO
Renault RLD-2/RXD	

## MOMENTA NANO MAX

**Classification:** API: CI-4 Plus/SL

**FULLY SYNTHETIC 10W-40**

Momenta Nano Max is a fully synthetic heavy-duty engine oil that provides excellent lubrication in today's diesel and gasoline engines operating in severe conditions. It is formulated using state-of-the-art additives and synthetic base oils to meet current API and OEM requirements for volatility and oxidation resistance. Momenta Nano Max meets API level CI-4 Plus requirements for improved oxidation stability, soot control, roller-follower wear limits and reduced aeration.



## AUTOMOTIVE DIESEL ENGINE

### Performance Levels (Meets & Exceeds):

API CI-4 Plus /SL	Caterpillar ECF 1a, ECF 2, ECF3
ACEA E7	Volvo VDS-4
MB 228.3	Deutz DQC I-10
MAN M3275	MACK EO-N Premium Plus
MIL-PRF-2104G	Cummins CES 20081
Renault RLD-3	

## MOMENTA NANO HT PLUS

**Classification:** API: CJ-4/CI-4+/CI-4

MINERAL 15W-40

Momenta Nano HT-Plus is a versatile & comprehensive heavy duty engine oil developed to meet wide range of heavy duty applications and operating environments found in the trucking, mining, construction, quarrying, and agricultural industries. This product provides outstanding protection in the most demanding diesel engines of Caterpillar, Cummins, Detroit, Mack, Mercedes Benz, Renault, MAN, Navistar, Volvo, and others. Recommended for Euro V and VI Volvo engines and off-highway engines meeting EU Stage IV and EPA Tier IV, equipped with DPFs needing CJ-4/E9-12/VDS-4/Cat ECF-3 lubricants.

### Gear Box Application:

API GL-4  
Komatsu clutch (TO-40)  
Caterpillar TO-4M/TO-4  
ZF TE ML 07D  
Alison C4

### Hydraulic System Application:

ISO VG-68 HM  
Komatsu HO-68  
JCMA HK 68  
MAN M3575  
JASO DH2

### Performance Levels (Meets & Exceeds):

API CJ-4/CI-4+/CI-4	Case MS 1230	Deutz DQC I-10 LA
ACEA E9-16	Global DHD-1	MACK EO-O Premium Plus
MB 228.31	Caterpillar ECF 2, ECF 3	Cummins CES 20081
MAN M3575	JASO DH2	Renault RLD-3
JASO DH2	Global DHD-1	MTU Type 2.1
Case MS 1230	Caterpillar ECF 2, ECF 3	DDC 93K218
Global DHD-1	Volvo VDS-4	



## AUTOMOTIVE DIESEL ENGINE

### OEM Approvals:

MB-Approval 228.3 (SAE 15W-40)

### Performance Levels (Meets & Exceeds):

API CI-4/SL

ACEA E7, A3/B3/B4

MB 228.3 / 229.1

MAN M3275-1

Volvo VDS-3

Deutz DQC III-10

JASO DH1

MACK EO-N

Cummins CES 20076/20077/78

Global DHD-1

Renault RLD-2

MTU Type 2

Allison C4

Caterpillar ECF 1a, ECF 2

DDC 93K215

## MOMENTA NANO

**Classification:** API: CI-4/SL

MINERAL 20W-50

Momenta Nano is a high-performance diesel engine oil that provides excellent lubrication to diesel engines. It maximizes performance in the latest US, European and Japanese heavy-duty diesel engines including severe applications such as high loads and multi-trailer applications. It exhibits outstanding detergent, dispersant and anti-wear properties to keep the engine clean and enable efficient control of soot, sludge, and piston deposits.

### OEM Approvals:

MB-Approval 228.3 (SAE 15W-40)

## MOMENTA RX9

**Classification:** API: CH-4/SJ

**FULLY SYNTHETIC 0W-30**

Momenta RX9 combines a high-quality synthetic base stock with a proprietary, balanced additive system having a combination of metallic detergents, dispersants and multi-purpose inhibitors. This oil assures superior control of oil thickening caused by soot buildup and high temperature oxidation. It also provides outstanding resistance to varnish deposits and corrosion.

**Performance Levels (Meets & Exceeds):**

API CH-4/SJ	MTU Type 2
MB 228.3	JASO DH1
MAN 3275	Mack EO-M/EO-L
ACEA E7, A3/B3/B4	Cummins CES 20076
VOLVO VDS-2	DFS 93K215
Renault RLD-2	DQC III-10

## MOMENTA RX9

**Classification:** API: CH-4/SJ

**SEMI SYNTHETIC 10W-30**

Momenta RX9 semi synthetic is heavy duty diesel engine oil which helps to protect against the build-up of piston deposits for continuing engine efficiency. Exceeds performance limits in piston ring, cylinder liner and valve train wear tests for long engine life.

**Performance Levels (Meets & Exceeds):**

API CH-4/SJ	MTU Type 2
MB 228.3	JASO DH1
MAN 3275	Mack EO-M/EO-L
ACEA E7, A3/B3/B4	Cummins CES 20076
VOLVO VDS-2	DFS 93K215
Renault RLD-2	DQC III-10



## MOMENTA RX9

**Classification:** API: CH-4/SJ

**MINERAL 15W-40**

Momenta RX9 is a high performance engine oil that provides proven protection to diesel engines operating in severe conditions for both on and off-highway applications. This product has been blended with highest performance base oils and fortified with an advanced additive system which assures superior control of oil thickening caused by soot buildup and high temperature oxidation. It helps achieve reduced oil consumption and wear protection.

**Performance Levels (Meets & Exceeds):**

API CH-4/SJ	MTU Type 2
MB 228.3	JASO DH1
MAN 3275	Mack EO-M/EO-L
ACEA E7, A3/B3/B4	Cummins CES 20076
VOLVO VDS-2	DFS 93K215
Renault RLD-2	

## MOMENTA RX7

**Classification:** API: CG-4/SJ

**FULLY SYNTHETIC 0W-30**

Momenta RX7 is fully synthetic diesel engine oil designed for the most severe performance requirements of highly powered turbocharged engines of leading automobile companies. This oil is fuel saving and reduces maintenance expenses for machines and engines. Resists oil thickening and the formation of carbon, varnish and sludge deposits. Helps prolong engine life.

**Performance Levels (Meets & Exceeds):**

API CG-4/SJ	MTU Type-2
MB 228.3	MACK EO-L
ACEA A3/B4	Allison C4
MAN 3275	
VOLVO VDS	

## MOMENTA RX9

**Classification:** API: CG-4/SJ

**SEMI SYNTHETIC 10W-30**

Momenta RX7 is semi synthetic diesel engine oil designed for the most severe performance requirements of highly powered turbocharged engines of leading automobile companies. This oil is fuel saving and reduces maintenance expenses for machines and engines. Resists oil thickening and the formation of carbon, varnish and sludge deposits. Helps prolong engine life.

### **Performance Levels (Meets & Exceeds):**

API CG-4/SJ	MTU Type-2
MB 228.3	MACK EO-L
ACEA A3/B4	Allison C4
MAN 3275	
VOLVO VDS	

## MOMENTA RX7

**Classification:** API: CG-4/SJ

**MINERAL 15W-40**

Momenta RX7 is a premium high performance non-friction modified mineral engine oil. It contains a combination of high technology additives, including increased dispersant levels and low shear viscosity modifiers. It protects against corrosion, oil oxidation and sludge under all operating conditions.

### **Performance Levels (Meets & Exceeds):**

API CG-4/SJ	VOLVO VDS
MB 228.3	MTU Type-2
ACEA A3/B4	MACK EO-L
MAN 3275	Allison C4

## MOMENTA RX5

**Classification:** API: CF-4/SJ

**SEMI SYNTHETIC 10W-30**

Momenta RX5 is a high performance, diesel engine oil specifically formulated to address the needs of high power engines. Featuring an active-detergent system to keep pistons and other engine parts clean thus it provides protection against wear for long engine life and protection against deposits for efficient engine performance. These are diesel engine oils specially designed to meet the requirements of engines produced by all manufactures in US, Europe and Japan.

**Performance Levels (Meets & Exceeds):**

API CF-4/SJ	VOLVO VDS
MB 228.2	MACK EO/K2
ACEA E2-96, A3/B3	CES 20075/74/73
MTU Type-2	
MAN 3275-1	

## MOMENTA RX3

**Classification:** API: CF/SF

**MINERAL 15W-40**

Momenta RX3 mineral engine oils are formulated for mixed fleet operations. It is blended with an optimised combination of base oil and balanced additive system. Suitable for diesel and naturally aspirated gasoline engines used in trucks and passenger cars operating under harsh driving conditions. Momenta RX3 provides exceptional thermal stability at high temperatures.

**Performance Levels (Meets & Exceeds):**

API CF/SF	MAN 270
ACEA E2-96/A3/B3	MTU TYPE 1
MB 228.2	ALLISON C4
MIL-L-2104E	
CAT TO-2	

## MOMENTA RX1

**Classification:** API: CD/SF

**MINERAL 15W-40**

Momenta RX1 is a heavy duty mineral diesel engine oil formulated with an optimised combination of base oil and a balanced additive system. It provides good protection against rust and corrosion, thermal and oxidation stability. It Control sludge build up and deposits hence prolongs equipment life and reduces maintenance costs.

**Performance Levels (Meets & Exceeds):**

API CD/SF

MIL-L-2104D

CAT TO-2

## MOMENTA RX

**Classification:** API: CC/SC

**MINERAL 15W-40**

Momenta RX is a mineral multi-grade diesel engine oil recommended for the lubrication of diesel engines and naturally aspirated gasoline engines used in commercial and passenger vehicles operating under mild driving conditions.

**Performance Levels (Meets & Exceeds):**

API CC/SC

MIL-L-2104B





## AUTOMOTIVE – PETROL ENGINE OIL ENGINE

### TITAN ESTER CORE

**Classification:** RACING SERIES

FULLY SYNTHETIC 5W-50

Titan Ester Core is a premium quality fully synthetic engine oil blended from a unique combination of severely hydro-finished polyalphaolefin (PAO) base fluids and a highly stable ester to reduce friction and wear, increase engine efficiency and extend engine life in all types of gasoline engines and light diesel powered passenger cars including those that are naturally aspirated, turbocharged or supercharged. The unique synthetic formula ensures outstanding oil film resistance at very high temperature, for maximum horsepower and torque output. Titan Ester Core contains extra zinc to protect engines with flat tappet cams and possesses outstanding thermal

**Performance Levels (Meets & Exceeds):**

API SN/CF

ACEA A3/B4

MB 229.1/ 229.3

PORSCHE A40

### VELOCITY SP

**Classification:** API: SP / ILSAC GF-6A

SYNTHETIC / SEMI SYN 0W-16

Titan Ester Core is a premium quality fully synthetic engine oil blended from a unique combination of severely hydro-finished polyalphaolefin (PAO) base fluids and a highly stable ester to reduce friction and wear, increase engine efficiency and extend engine life in all types of gasoline engines and light diesel powered passenger cars including those that are naturally aspirated, turbocharged or supercharged. The unique synthetic formula ensures outstanding oil film resistance at very high temperature, for maximum horsepower and torque output. Titan Ester Core contains extra zinc to protect engines with flat tappet cams and possesses outstanding thermal

**Performance Levels (Meets & Exceeds):**

API SP (RC) / SN PLUS (RC)

ILSAC GF-6B GF-6A

GM DEXOS1 GEN2

CHRYSLER MS6395

## VELOCITY NANO PLUS

**Classification:** API: SN/CF

**FULLY SYNTHETIC 0W-20**

Velocity Nano Plus is an advanced, fully synthetic engine oil designed to help deliver outstanding engine protection and enhanced fuel economy. It meets the requirements of the latest industry standards for "Full SAPS" passenger car lubricants and outperforms conventional oils. These oils are designed to provide improved oxidation resistance, improved deposit protection, better wear protection, and excellent low temperature performance over the life of the oil.

### **OEM Approvals**

MB-Approval 229.5 (SAE 5W-40)

Porsche Oil Category A40 (SAE 5W-40)

VW Standard 502 00 / 505 00 (SAE 5W-30)

VW 502 00 / 505 00 (5W-40)

### **Performance Levels (Meets & Exceeds):**

API SN/CF

**OPEL GM-LL-B-025**

ACEA A3/B3/B4

**PSA B71 2296**

ACEA A5/B5 (HTHS <3.5)

**Ford WSS-M2C937-A**

Porsche A40

**Ford WSS-M2C913-C/D (SAE 5W-30)**

MB 226.5/229.3/229.5

**Ford WSS-M2C925-B (SAE 0W/5W-20)**

Renault RN0700/RN0710

VW 501 01 / 502 00 / 505 00

## VELOCITY NANO PLUS

**Classification:** API: SN/CF

**SEMI SYNTHETIC 10W-30**

Velocity Nano Plus is an advanced, semi synthetic engine oil designed to help deliver outstanding engine protection and enhanced fuel economy. It meets the requirements of the latest industry standards for "Full SAPS" passenger car lubricants and outperforms conventional oils. These oils are designed to provide improved oxidation resistance, improved deposit protection, better wear protection, and excellent low temperature performance over the life of the oil.

**Performance Levels (Meets & Exceeds):**

API SN/CF

ACEA A3/B3/B4

MB 229.5/229.3/226.5

Renault RN0700/RN0710

VW 501 01 / 502 00 / 505 00

## VELOCITY NANO PLUS

**Classification:** API: SN/CF

**MINERAL 15W-40**

Velocity Nano Plus mineral oils are formulated from quality base stocks combined with modern performance additives to give your engine the protection and the performance you expect under a wide variety of operating conditions. It is recommended for all high performance gasoline engine cars equipped with direct-injection, multi valve & turbo-charger technologies.

**Performance Levels (Meets & Exceeds):**

API SN/CF

ACEA A3/B3/B4

MB 229.1

VW 505 00

## VELOCITY NANO FE

**Classification:** API: SN/SL/CF

**FULLY SYNTHETIC 0W-30**

Velocity Nano FE is a premium performance fully synthetic, fuel-economy engine oil that provides long engine life for many types & ages of vehicles with enhanced protection over a wide temperature range

### **Performance Levels (Meets & Exceeds):**

API SN/CF (5W-20)

FORD WSS-M2C925-B (5W-20)

JAGUAR LAND ROVER STJLR.03.5003  
(5W-30)

VOLVO VCC 95200377 (0W-30)

API SL/CF (0W-30, 5W-30)

FORD WSS-M2C913-D (5W-30)

MB 229.6 (0W-30, 5W-30)

ACEA A5/B5-16 (5W-20, 0W-30, 5W-30)

JAGUAR LAND ROVER STJLR.03.5004  
(5W-20)

RENAULT RN0700 (0W-30, 5W-30)

## VELOCITY NANO MS

**Classification:** ACEA C3

**FULLY SYNTHETIC 0W-20**

Velocity Nano MS is an advanced, fully synthetic engine oil designed to help deliver outstanding engine protection and enhanced fuel economy. It meets the requirements of "Mid SAPS" passenger car lubricants with 0.08% phosphorus and 0.8% sulphated ash levels. These oils are designed to provide improved oxidation resistance, improved deposit protection, better wear protection, and excellent low temperature performance over the life of the oil.

### **OEM Approvals::**

•BMW Longlife-04 (SAE 5W-30)



## VELOCITY NANO FE

**Classification:** ACEA C3

FULLY SYNTHETIC 0W-20

### Performance Levels (Meets & Exceeds):

API SN/CF	VW 502 00 / 505 01
ACEA C3, A5/ B5 (HTHS < 3.5)	PSA B71 2290
Porsche A40	GM Dexos 2
MB 229.31/229.51/229.52	Ford WSS-M2C948-A/948-B (SAE
Renault RN0700/RN0710	5W-20)
BMW Longlife-04	Volvo VCC RBS0-2AE (SAE 0W-20)
	Ford WSS-M2C917-A

## VELOCITY NANO C2 ECO

**Classification:** ACEA C3

FULLY SYNTHETIC 0W-30

Velocity Nano C2 ECO is a fully synthetic fuel economy engine oil formulated for use in modern engines requiring low friction, low HTHS viscosity and Mid SAPS oil. The high quality base oils in combination with our most up to date additive technology ensures excellent aging stability, optimum wear protection, fuel savings and out standing cold-start properties over the entire oil change interval. Velocity Nano C2 ECO meets the requirements of Euro VI emission regulations.

### Performance Levels (Meets & Exceeds):

API ACEA-16 (0W-30, 5W-30)	RENAULT RN0700 (0W-30, 5W-30)
JAGUAR LAND ROVER STJLR.03.5007 (0W-30)	FORD WSS M2C 950A (0W-30)
PSA B71 2290-2017 (5W-30)	FIAT 9.555 35-GS1/DS1 (0W-30, 5W-30)
API SN/CF (0W-30, 5W-30)	
CHRYSLER MS-13340/ MS-90047 (0W-30)	

## VELOCITY SPECIFIC B71 2312

**Classification:** ACEA-16

**FULLY SYNTHETIC 0W-30**

Velocity Specific B71 2312 is a high performance reduced SAPS formula specially designed for recent vehicles of PSA group (Peugeot and Citroën) equipped with diesel engines "BlueHDI" SCR (Selective Catalytic Reduction) requiring lubricant meeting B71 2312 specification. It also meets the requirements of EURO 4, EURO 5 and EURO 6 pollution control standards and maintains the efficiency of the car exhaust Emission Reduction Systems in both Diesel and gasoline powered automobiles. Fully synthetic base provides excellent thermal stability and wear protection as well as prevents the formation of varnish and sludge to preserve the engine cleanliness.

### **Performance Levels (Meets & Exceeds):**

ACEA-16 C2

PSA B7 2312

## VELOCITY NANO GT1

**Classification:** SN

**FULLY SYNTHETIC 0W-40**

Lubxen Velocity Nano GT1 is an advanced, fully synthetic engine oil formulated to provide outstanding performance for high powered engines. It provides significant oil film resistance, outstanding engine cleanliness, wear protection and strong durability. It has been specially designed for last-generation cars powered by gasoline or diesel engines, naturally aspirated or turbocharged, direct or indirect injection, requiring an ACEA C3 engine oil. Velocity Nano GT1 is compliant with EURO VI emission standards.



## AUTOMOTIVE – PETROL ENGINE OIL

### VELOCITY NANO GT1

**Classification:** SN

FULLY SYNTHETIC 0W-40

**Performance Levels (Meets & Exceeds):**

API SN (0W-40, 5W-40)

BMW LL-04 (0W-40, 5W-40)

PORSCHE C40 (0W-40, 5W-40)

ACEA-I6 C3 (0W-40, 5W-40)

RENAULT RN 0700/0710 (0W-40, 5W-40)

VW 511 00 (0W-40, 5W-40)

MB 229.31, 229.52, 226.5 (0W-40, 5W-40)

GM DEXOS 2 (0W-40, 5W-40)

FIAT 9.55535-S2/9.55535-T2 (0W-40,  
5W-40)

### VELOCITY NANO C1 ULTRA

**Classification:** ACEA C3

FULLY SYNTHETIC 5W-30

Velocity Nano C1 Ultra 5W-30 is the new generation low SAPS fully synthetic engine oil designed to meet the needs of latest engine technologies of gasoline and diesel engines fitted with after treatment systems. It offers excellent performances at both low and high operating temperatures and long term engine protection. Velocity Nano C1 Ultra utilises low SAPS technology which helps prolong the life and maintain the efficiency of after treatment systems in both diesel and gasoline powered automobiles.

**Performance Levels (Meets & Exceeds):**

ACEA-I6 C1

FORD WSS-M2C934-B

JAGUAR LAND ROVER STJLR.03.5005

JASO DL-1

## VELOCITY SPECIFIC RN17

**Classification:** ACEA-I6

**FULLY SYNTHETIC 5W-30**

Velocity Specific RN17 is a high performance engine oil developed to meet RN17, the latest specification for Renault vehicles (Renault, Dacia, Samsung) fitted with TGDI and EURO VI engines. The 100% Synthetic base stock provides a high thermal stability and low volatility which ensures an exceptional resistance to varnish and sludge formation and maintains engine cleanliness. Outstanding oxidation resistance of the lubricant results in extended oil drain intervals set by the carmaker. Velocity Specific RN17 meets high quality standards, facilitating optimum engine performance and extended component life by virtue of fast and effective lubrication across a wide temperature.

### **Performance Levels (Meets & Exceeds):**

ACEA-I6 C3

RENAULT RN17

## VELOCITY SPECIFIC RN17 FE

**Classification:** ACEA-I6

**FULLY SYNTHETIC 0W-20**

Velocity Specific RN17 FE is a high-tech, low friction engine oil specifically designed for RENAULT vehicles (Renault, Dacia, Samsung) fitted with Gasoline and Diesel engines requiring a Renault RN17 FE specification lubricant. The Mid-SAPS technology, in combination with unique low-friction properties, reduces fuel consumption and thus minimises pollutant emissions. The reduced levels of Sulfated Ash, Phosphorous and Sulfur of Velocity Specific RN17 FE protects and extends lifetime of modern after treatment systems such as DPF (Diesel Particulate Filter), SCR (Selective Catalyst Reduction) and GPF (Gasoline Particulate Filter).





## AUTOMOTIVE – PETROL ENGINE OIL

### VELOCITY SPECIFIC RN17 FE

**Classification:** ACEA-16

FULLY SYNTHETIC 0W-20

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**Performance Levels (Meets & Exceeds):**

ACEA-16 C5

API SN

RENAULT RN17 FE

### VELOCITY NANO EC

**Classification:** ACEA C3

FULLY SYNTHETIC 5W-30

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Velocity Nano EC is a premium quality fully synthetic lubricant for the engines equipped with latest Diesel Particulate Filters (DPF's) and Gasoline Catalytic Converters (CAT's). It has been expertly engineered to help deliver superior cleaning power, wear protection and outstanding performance in conjunction with fuel economy benefits. Velocity Nano EC provides improved oxidation resistance, deposit protection and excellent low temperature performance.

**Performance Levels (Meets & Exceeds):**

API SN Plus

ACEA C2/C3

MB 229.31

## VELOCITY NANO LS

**Classification:** ACEA C4 / RN 0720

**FULLY SYNTHETIC 5W-30**

Velocity Nano LS is a high performance low SAPS synthetic engine oil formulation which complies with the demanding requirements of Euro IV and Euro V exhaust emission legislations. It is designed to offer reliable long-life engine protection and performance in gasoline and diesel passenger cars and diesel light vans with three way catalysts (TWC) or diesel particulate filters (DPF)

**Performance Levels (Meets & Exceeds):**

ACEA C4

Renault RN 0720

MB 226.51/229.51

## VELOCITY NANO GTR

**Classification:** ACEA C3 / VW 504 00 / 507 00

**FFULLY SYNTHETIC 0W-30**

Velocity Nano GTR is fully synthetic new generation oil especially formulated to meet demanding OEM specifications, including Volkswagen and Audi lubrication requirements. It is designed to be used in gasoline and diesel engines of passenger cars and light vans equipped with diesel particulate filter (DPF) and three way catalytic convertor (TWC) systems.

**Performance Levels (Meets & Exceeds):**

API SN

ACEA C3

Porsche C30

MB 229.31/229.51

VW 504 00 / 507 00

BMW Longlife-04



## AUTOMOTIVE – PETROL ENGINE OIL

### VELOCITY NANO XTL 12 24 64 45 65 20 27

**Classification:** SN Plus / SP

FULLY SYNTHETIC 5W-40

Velocity Nano XTL is a very high performance, fully synthetic MID SAPS lubricant for gasoline and diesel engines, including the ones complying with ACEA C2/C3 standard. Velocity Nano XTL is formulated to reduce pollutant emissions, such as HC, NOx, CO and particles and to protect and ensure longevity of post treatment antipollution systems, such as particulate filters (GPF, DPF) and three-way catalysts. Synthetic base oils together with the latest additive technology, guarantee a motor oil that provides exceptional protection against wear and reduces oil and fuel consumption.

**Performance Levels (Meets & Exceeds):**

API SN Plus / SP ( 5W-40, 5W-30)

BMW LL-04 (5W-40, 5W-30)

RENAULT RN0700/RN0710 (5W-40, 5W-30)

ACEA 2016 C3 (5W-40)

MB 229.51/229.52 (5W-40, 5W-30)

ACEA 2016 C3/C2 (5W-30)

OPEL OV 040 1547 (5W-40, 5W-30)

### VELOCITY NANO MSP

**Classification:** ACEA C5, VW 508 00 / 509 00

FFULLY SYNTHETIC 0W-20

Velocity Nano MSP is a premium low friction motor oil designed for highly stressed downsized engines with maximum power output, for extreme fuel-economy characteristics and reduced CO2 emissions. It ensures optimum lubrication, outstanding lubricating film stability and minimum wear and deposits even under extreme loads. Velocity Nano MSP is ideally suited for engines with start/stop system and it guarantees maximum performance with low fuel consumption.



## AUTOMOTIVE – PETROL ENGINE OIL

### VELOCITY NANO MSP

**Classification:** ACEA C5, VW 508 00 / 509 00

FULLY SYNTHETIC 0W-20

**Performance Levels (Meets & Exceeds):**

API SN PLUS/ SP (5W-30, 0W-30, 0W-20)

BMW LL-12 FE (0W-30)

MB229.71 (0W-20)

LAND ROVER STJLR.03.5006 (0W-20)

ACEA 2016 C2 (5W-30, 0W-30)

BMW LL-17 FE+ (0W-20)

OPEL OV 040 1547 (5W-30, 0W-30, 0W-20)

ACEA 2016 C5 (0W-20)

MB229.61 (5W-30, 0W-30)

GM DEXOS D (0W-20)

### VELOCITY NANO C5

**Classification:** ACEA C5, VW 508 00 / 509 00

FFULLY SYNTHETIC 0W-20

Velocity Nano C5 is a fully synthetic mid-SAPS engine oil suitable for the latest engine technologies. It ensures outstanding wear protection, strong durability and exceptional fuel economy performance in latest diesel and petrol engine fitted with Diesel Particulate Filters (DPF), Gasoline Particulate Filters (GPF) and Catalytic Converters. Velocity Nano C5 is compliant with Euro VI emission standards

**Performance Levels (Meets & Exceeds):**

API SN Plus

ACEA C5

VW 508 00 / 509 00

VW TL52577

Porsche C20



## AUTOMOTIVE – PETROL ENGINE OIL

### VELOCITY NANO XP

**Classification:** API: SN PLUS/RC / ILSAC GF-5

FULLY SYNTHETIC

Velocity Nano XP oils are formulated with high performance fully synthetic base stocks fortified with proprietary balanced additive system, designed to provide longest lasting engine protection. These oils control oil breakdown to maximise wear protection and prevent harmful sludge during extended oil change intervals. Velocity Nano XP oils are designed to provide protection against LSPI (low speed pre-ignition) in TGD engines and helps limit turbo coking and deposits that can lead to turbo charger temperature increase or bearing failure..

**Performance Levels (Meets & Exceeds):**

API SN Plus/RC (0W-16)

API SN Plus/RC, ILSAC GF-5 (0W20, 5W20,  
5W30, 10W30)

API SN Plus (0W-16, 5W-40, 10W40, 15W-40,  
20W50

DEXOS 1 GEN 2 (0W20, 5W20, 5W30)

### VELOCITY NANO PRO

**Classification:** API: SN/RC / ILSAC GF-5

SYN / SEMI SYN / MIN 0W-16

Velocity Nano Pro oils are formulated from quality fully synthetic base stocks combined with modern performance additives to give your engine the protection and the performance you expect under a wide variety of operating conditions. It is recommended for all high performance gasoline engine cars equipped with direct-injection, multi valve & turbo-charger technologies.



## VELOCITY NANO PRO

**Classification:** API: SN/RC / ILSAC GF-5

SYN / SEMI SYN / MIN 0W-16

### Performance Levels (Meets & Exceeds):

API SN/RC GF-5 (0W-20, 5W-20, 5W-30, 10W-30)	ILSAC GF-5 (0W-20, 5W-20, 5W-30, 10W-30)
API SN (0W-16, 5W-40, 10W-40, 15W-40, 20W-50)	DEXOS 1 (0W-20, 5W-20, 5W-30F)ORD
	WSS-M2C-947A (0W-20)
	FORD WSS-M2C-945A (5W-20)GM 6094M
	(0W-20, 5W-20, 5W-30)
	FORD WSS-M2C-966A (5W-30)CHRYSLER
	MS 6395 (ILSAC GRADES)

## VELOCITY NANO RX

**Classification:** API: SN/CF

SYN / SEMI SYN / MIN 0W-16

Velocity Nano RX is a semi synthetic lubricant fortified with proven metallo-organic anti-wear additive system which protects engines under all operating conditions by providing excellent wear control in even the most sophisticated valve train mechanisms, including those with variable valve timing. It has been expertly engineered to help deliver superior cleaning power, wear protection and outstanding performance. It helps resist degradation between oil changes, extending the time and mileage interval between oil changes.

### Performance Levels (Meets & Exceeds):

API SN/CF	Renault RN0710
ACEA A3/B3	VW 502 00
MB 229.3	VW 505 00
Renault RN0700	

## VELOCITY NANO

**Classification:** API: SM/CF

**FULLY SYNTHETIC 0W-30**

Velocity Nano is a high-quality synthetic lubricant that incorporates antiwear protection, as well as protection against sludge and deposit formation. This multi-grade oil meets the API quality requirement (SM) for gasoline engine passenger cars, sport utility vehicles, vans and light trucks. This oil is designed to provide improved oxidation resistance, improved deposit protection, better wear protection and better low-temperature performance over the life of the oil.

### **OEM Approvals:**

MB-Approval 229.3 (SAE 5W-40)

Performance Levels (Meets & Exceeds)

API SM/CF

ACEA A3/B3

ACEA A1/B1 (HTHS <3.5)

VW 502 00 / 505 00

RN 700, RN 710

## VELOCITY NANO

**Classification:** API: SM/CF

**FULLY SYNTHETIC 0W-30**

Velocity Nano is an advanced, semi-synthetic engine oil designed to help deliver outstanding engine protection and enhanced fuel economy. These oils are designed to provide improved oxidation resistance, improved deposit protection, better wear protection, and excellent low-temperature performance over the life of the oil.

### **Performance Levels (Meets & Exceeds):**

API SM/CF

ACEA A3/B3

MB 229.3



## AUTOMOTIVE – PETROL ENGINE OIL

### VELOCITY NANO

**Classification:** API: SM/CF

MINERAL 15W-40

Velocity Nano oils are formulated from quality base stocks combined with modern performance additives to give your engine the protection and performance you expect under a wide variety of operating conditions. These oils are designed to provide improved oxidation resistance, improved deposit protection, better wear protection, and better low-temperature performance over the life of the oil.

**Performance Levels (Meets & Exceeds):**

API SM/CF

ACEA A3/B3

MB 229.1

### VELOCITY GX9

**Classification:** API: SL/CF

FULLY SYNTHETIC 0W-30

Velocity GX9 fully synthetic motor oil is formulated using the unique additives technology that actively helps keep engines clean. It allows the product to provide higher levels of cleansing and protection. This oil is particularly suitable for turbo-compressed, multi-valve and direct injection engines. It meets the most difficult conditions of use (motorway, heavy urban traffic, etc.) during all seasons.

**Performance Levels (Meets & Exceeds):**

API SL/CF

ACEA A3/B3

ACEA A1/B1 (HTHS <3.5)

MB 229.3



## AUTOMOTIVE – PETROL ENGINE OIL

### VELOCITY GX9 27

**Classification:** API: SL/CF

SEMI SYNTHETIC 15W-40

Velocity GX9 motor oil is formulated using the unique additives technology that actively helps keep engines clean. It allows the product to provide higher levels of cleansing and protection. This oil is particularly suitable for turbo-compressed, multivalve and direct injection engines. It meets the most difficult conditions of use (motorway, heavy urban traffic, etc.) during all seasons.

**OEM Approvals:**

MB-Approval 229.3 (SAE 10W-40)

**Performance Levels (Meets & Exceeds):**

API SL/CF

ACEA A3/B3

MB 229.3

### VELOCITY GX9

**Classification:** API: SL/CF

MINERAL 15W-40

Velocity GX9 is premium quality mineral oil for gasoline and diesel engines, which can be used in all operating conditions (city traffic, road, motorways). It is particularly suited to turbocharged engines and perfectly adapted to vehicles equipped with catalysts and using unleaded fuel.

**Performance Levels (Meets & Exceeds):**

API SL/CF

ACEA A3/B3

MB 229.1

## VELOCITY GX7

**Classification:** API: SJ/CF

**SFULLY SYNTHETIC 5W-30**

Velocity GX7 engine oil is a superior quality fully synthetic oil formulated with high performance base stocks and premium additive technology which helps deliver outstanding engine protection and prevent the build-up of dirt and sludge in older engines operating in all driving conditions in highways and in the city.

**Performance Levels (Meets & Exceeds):**

API SJ/CF

## VELOCITY GX7

**Classification:** API: SJ/CF

**SEMI SYNTHETIC 10W-30**

Velocity GX7 is semi synthetic engine oil a superior quality multi grade oil formulated with highly refined base stocks and premium additive technology which helps deliver outstanding engine protection and prevent the build-up of dirt and sludge in older engines operating in all driving conditions in highways and in the city.

**Performance Levels (Meets & Exceeds):**

•API SJ/CF



## VELOCITY GX7

**Classification:** API: SJ/CF

**MINERAL 15W-40**

Velocity GX7 mineral engine oil is a superior quality multi grade oil formulated with highly refined base stocks and premium additive technology which helps deliver outstanding engine protection and prevent the build-up of dirt and sludge in older engines operating in all driving conditions in highways and in the city.

**Performance Levels (Meets & Exceeds):**

API SJ/CF

## VELOCITY GX5

**Classification:** API: SG/CF

**SEMI SYNTHETIC 10W-30**

Velocity GX5 are semi synthetic oils for gasoline and diesel engines having high ageing resistance. They effectively reduces carbon formation and high temperature lacquer formation. They also provide safe lubrication of the engine components. These oils contain low-ash additives which allow to prolong the endurance of the catalyst.

**Performance Levels (Meets & Exceeds):**

API SG/CF



## AUTOMOTIVE – PETROL ENGINE OIL

### VELOCITY GX5

**Classification:** API: SG/CF

MINERAL 15W-40

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Velocity GX5 mineral engine oil is a superior quality multi grade oil formulated with highly refined base stocks and premium additive technology which helps deliver outstanding engine protection and prevent the build-up of dirt and sludge in older engines operating in all driving conditions in highways and in the city.

**Performance Levels (Meets & Exceeds):**

API SG/CF

### VELOCITY GX3

**Classification:** API: SF/CD

MINERAL 15W-40

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Velocity GX3 is designed to be used for passenger cars, light trucks, farm equipment, especially where single type of oil is preferred. This oil contains inhibitors to combat acids formation, oxidation and foaming. It is formulated with high quality mineral base stock and advance additive system.

**Performance Levels (Meets & Exceeds):**

API SF/CD

## DUNE PRO MX RACE

**Classification:** API: SN

**FULLY SYNTHETIC 10W-60**

Dune Pro MX Race is a fully synthetic 4 stroke engine oil developed to obtain highest performance and protection of motorcycle engines under extreme driving conditions. The specially designed low traction coefficient synthetic ester base oil incorporated in this formulation reduces engine internal frictional losses and improves performance. It ensures increased power, ultimate engine and wet clutch protection for maximum power transfer and smooth shifting.

Dune Pro MX Race oil is recommended for air-cooled and water cooled 4 stroke motorcycle engines, specially developed for Motocross and Enduro motorbikes, Quads, and Snowmobiles with and without wet clutch.

### **Performance Levels (Meets & Exceeds):**

API SN

JASO MA2

## RACE 4T NANO XP

**Classification:** API: SM

**SYN / SEMI SYN 5W-30**

Race 4T Nano MAX is a high quality engine oil designed for 4-stroke motorcycles. The unique synthetic blend of 4T Nano MAX motorcycle formulation enables it to offer advantages beyond conventional motorcycle oils of similar viscosities. It offers excellent flow characteristics at low temperatures to help reduce engine wear at start-up, and provide outstanding resistance to oxidation and volatilisation at high temperatures, both of which degrade the oil. Race 4T Nano MAX protects the engine, clutch, gears and allows the best functionality of these three critical areas of the motorcycle.

### **Performance Levels (Meets & Exceeds):**

API SM

JASO MA2

JASO MB



## AUTOMOTIVE – MOTORCYCLE OIL

### RACE 4T NANO PLUS

**Classification:** API: SL

SYN / SEMI SYN / MIN 5W-30

Race 4T Nano Plus is a high quality engine oil designed for 4-stroke motorcycles. Race 4T Nano Plus is based on premium quality base oils and advanced additives to bring out the best in your machine. It is designed to ensure maximum power and performance, even under the most demanding riding conditions. Its anti-friction formulation is proven to increase acceleration compared to conventional motorcycle oils. Race 4T Nano Plus protects the engine, clutch, gears and allows the best functionality of these three critical areas of the motorcycle.

**Performance Levels (Meets & Exceeds):**

API SL

JASO MA2

JASO MB

### RACE 4T NANO

**Classification:** API: SJ

SYN / SEMI SYN / MIN 5W-30

Race 4T Nano is recommended for high-performance 4T motorcycles that delivers high power efficiency and acceleration. It exceeds the fuel economy and engine cleaning requirements. It also offers excellent engine protection and superior clutch operation in all driving conditions. Race 4T Nano is excellent in maintaining high engine power and fuel economy with longer drain intervals.

**Performance Levels (Meets & Exceeds):**

API SJ

JASO MA2



## AUTOMOTIVE – CNG ENGINE OIL

### RACE 4T NANO PLUS

**Classification:** API: SL

SYN / SEMI SYN / MIN 5W-30

Race 4T Nano Plus is a high quality engine oil designed for 4-stroke motorcycles. Race 4T Nano Plus is based on premium quality base oils and advanced additives to bring out the best in your machine. It is designed to ensure maximum power and performance, even under the most demanding riding conditions. Its anti-friction formulation is proven to increase acceleration compared to conventional motorcycle oils. Race 4T Nano Plus protects the engine, clutch, gears and allows the best functionality of these three critical areas of the motorcycle.

**Performance Levels (Meets & Exceeds):**

API SL

JASO MA2

JASO MB

### RACE 2T

**Classification:** API: TC

SEMI SYN / MIN SAE 20

Race 2T is a lubricant which is designed to provide excellent performance in two stroke engines like motorcycles, scooters and mopeds. Its composition is perfectly compatible with lead-free fuels. This is a high technology product combining a perfect balance of highly refined base stocks and the latest additive's technology. It is specially formulated for use in oil injected as well as premixed gasoline/oil lubricated engines. Its increased performance provides protection against exhaust emissions and engine carbon deposits.

**Performance Levels (Meets & Exceeds):**

API TC

JASO FD

ISO EGD



Race 2T is a lubricant which is designed to provide excellent performance in two stroke engines like motorcycles, scooters and mopeds. Its composition is perfectly compatible with lead-free fuels. This is a high technology product combining a perfect balance of highly refined base stocks and the latest additive's technology. It is specially formulated for use in oil injected as well as premixed gasoline/oil lubricated engines. Its increased performance provides protection against exhaust emissions and engine carbon deposits.



## AUTOMOTIVE – CNG ENGINE OIL

### VELOCITY CNG PLUS

**Classification:** API: CF

**MINERAL 15W-40**

Velocity CNG Plus is a high performance, heavy duty engine oil formulated specifically for spark ignited CNG and LNG fueled truck, bus engines and small to medium size CNG generators. It provides excellent performance in the challenging operating environment presented by CNG (Compressed Natural Gas) and LNG (Liquefied Natural Gas) and offers extended drain interval capability.

**Performance Levels (Meets & Exceeds):**

API CF

Cummins: CES 20074

Detroit Diesel: DDC 93K216

### VELOCITY CNG PRO

**Classification:** API: SM

**MINERAL 20W-40**

Velocity CNG Pro is a performance proven engine lubricant designed to provide faster and cleaner engine protection to make sure of longer engine life. It is designed for use in gas fueled engines in passenger car and light commercial vehicles. It has special additive system which resists wear under all operating conditions by forming a protective layer on contact surfaces. Its high viscosity index provides additional protection against wear at start-up and under high temperature operating conditions

**Performance Levels (Meets & Exceeds):**

API SM

Suitable for use also where API SL, SJ or SG oils are specified

## VELOCITY CNG

**Classification:** API: SG

**MINERAL 15W-40**

Velocity CNG is developed as a special long drain engine oil for three wheeler vehicles fitted with spark ignited CNG and LNG fueled light-duty engines. It provides excellent performance in the challenging operating environment presented by CNG (Compressed natural Gas) and LNG (Liquefied Natural Gas) and offers extended interval capability.

### **Performance Levels (Meets & Exceeds):**

API SG

## PERFECTA LA

Perfecta LA is a premium performance, heavy-duty, & selected two stroke low ash crankcase oil specifically designed to lubricate a wide range of four-stroke natural gas and dual-fuel engines where low ash oils are recommended. It is formulated with premium quality base oils and additive technology to provide exceptional oxidation and nitration resistance, extended oil and filter life, and outstanding wear protection.

### **Performance Levels (Meets & Exceeds):**

Caterpillar

MDE

Wärtsilä

MTU

MAN

Superior STGV

MTU

Jenbacher

GE – Jenbacher

Commins

MWM (DEUTZ)

Hyundai

Waukesha

API CF (Diesel Fuel Application)

Perkins

## **MOMENTA RAILROAD ENGINE OIL**

**Classification:** API: CF2/CF (BN 13)

**MINERAL SAE 40**

Lubxen Momenta Railroad Engine Oil is a heavy duty, medium speed diesel engine crankcase oil. It is a high dispersant oil and will keep the by-products of combustion and oxidation finely divided and suspended. Lubrex Momenta Railroad Engine Oil helps maintain a clean right belt area, valve deck, crankcase, and piston under crowns.

**Performance Levels (Meets & Exceeds):**

API Service Category CF-2 (BN 13)

Electromotive Division of General Motors

LMOA (Generation 5)

API Service Category CF-2 (BN 13)

Electromotive Division of General Motors

LMOA (Generation 5)

## **MOMENTA RAILROAD ENGINE OIL**

**Classification:** API: CF2/CF (BN 17)

**MINERAL SAE 40**

Lubxen Momenta Railroad Engine Oil is a heavy duty, medium speed diesel engine crankcase oil. It is a high dispersant oil and will keep the by-products of combustion and oxidation finely divided and suspended. Lubxen Momenta Railroad Engine Oil helps maintain a clean right belt area, valve deck, crankcase, and piston under crowns.

**Performance Levels (Meets & Exceeds):**

API Service Category CF (BN 17)

Electromotive Division of General Motors

General Electric Generation 4 Long Life Oils

Locomotive Maintenance Officer Assoc. LMOA

(Generation 5)



## AUTOMOTIVE – TRANSMISSION OIL

### DRIVEMAX ATF+4

**Classification:** Chrysler ATF+4®

**SYNTHETIC Specs:** ATF+4®

Drivemax ATF+4 automatic transmission fluid is designed for use in most types of Japanese, Korean, and Chrysler vehicles that require ATF+4 or prior specifications. This chemistry offers excellent low temperature properties and improved antishudder properties. Drivemax ATF+4 is recommended for use in all transmissions, hydraulic systems, and power steering units manufactured by American, European, Korean, Japanese and other manufactures from around the world specifying Chrysler ATF+4, ATF+3 or ATF+2 type fluids.

**Performance Levels (Meets & Exceeds):**

Chrysler ATF+4® Requirements

Chrysler MS-9602

### DRIVEMAX VI

**Classification:** Dexron VI

**SYNTHETIC Specs:** Dexron-VI

Drivemax VI is a fully synthetic transmission fluid recommended for use in passenger car and light truck automatic transmissions that require a GM Dexron VI or earlier generation fluid. Transmissions include the following Aisin Warner models: AW TF-80SC / SD, AWF21, AF40-6, AM6, AW6A-EI, TF81SC, AF21, GA6F21WA (Mini)

**Performance Levels (Meets & Exceeds):**

ISUZU BESCO ATF II, ATF III

JAGUAR ATF 3403 M115, JLM 20238

AUDI/VW G-052-162-A1/A2

ZF 5HP 18FL/19FL/24A

CHRYSLER M1375.4

MITSUBISHI DIAMOND SP-IV

PORSCHE ATF 3403-M115

TOYOTA TYPE T-III, T-IV

IVOITH 55.6635 / VOLVO 97340

BMW P/N 833227542290

SAAB P/N 93165147

JWS 3309, JWS 3324, T-IV, AW-1, NWS 9638

MB ZF 4 HP20, 236.1/5/6/7/8/9/236.41

GENERAL MOTORS DEXRON II/III/IIIH/VI

HONDA ACURA Z-1 PREMIUM, HONDAMATIC S

TOYOTA P/N 08886-02305/08886-81015

FIAT (ALL VEHICLES) TYPO T-IV

HYUNDAI / KIA SP IV, HYUNDAI SPH-IV



## **DRIVEMAX VI**

**Classification:** Dexron VI

**SYNTHETIC Specs:** Dexron-VI

BMW ETL-7045, 7045E, LA2634, ETL-8072B, 81

22 9 400 275

ZF 5HP 30

VOLVO T-IV

LT 71141

MAZDA ATF M III

MERCON LV

PEUGEOT ZF 4 HP20

SUBARU ATF, ATF HP

TOYOTA WS

## **DRIVEMAX ZFL**

**Classification:** Heavy Duty Transmission Oil

**SYNTHETIC Specs-** ZF-Ecomat

Drivemax ZFL is a fully synthetic, premium quality, heavy duty automatic transmission oil specifically designed for the newest generation of ZF-Ecomat - and ZF- Ecolife transmissions. It is the ultimate performance automatic transmission fluid allowing longest oil drain intervals under all driving conditions.

**Performance Levels (Meets & Exceeds):**

ZF TE-ML 04D, 14E, 16N, 20F, 25F

MAN 339 TYPE Z13, MAN 339 TYPE Z4

## **DRIVEMAX III**

**Classification:** Dexron III

Specs Dexron-III

Drivemax III is a fully synthetic automatic transmission fluid formulated with premium, severely hydro processed base stocks and additives that helps provide oxidation and thermal stability, friction control, load-carrying ability, corrosion and wear protection. It helps protect against the formation of deposits, sludge, varnish, foam and provide outstanding durability.

### **OEM Approvals:**

ZF TE-ML 04D / 14A

VOITH H55.6335.xx

### **Performance Levels (Meets or Exceeds):**

GM DEXRON IIIG, IIH

VOITH 55.6336.3x

ALLISON TES-389

ALLISON C4

ZF TE-ML 14A, 03D, 04D, 17C, 09C

MAN 339 TYPE V1/Z1/V2/Z2

VOLVO 97340, 97341

VOITH H55.6335.xx

MB 236.9/236.1/236.5/236.6/236.10

FORD M, FORD TASA



## AUTOMOTIVE – TRANSMISSION OIL

### DRIVEMAX HD

**Classification:** Dexron III

SYNTHETIC Specs: Dexron-III

DRIVEMAX HD is an ultra high performance synthetic transmission fluid which is designed to meet the demanding requirements of modern heavy duty automatic transmissions. The latest synthetic base fluid technology in combination with high performance additives provides outstanding gear shifting and power transfer performance. It resists against thermal breakdown at high operating temperatures, while still providing outstanding performance at below zero temperatures. It is designed to deliver significantly extended drain interval.

#### Performance Levels (Meets or Exceeds):

Allison TES-295	CATERPILLAR AT-1
VOLVO 97341	MB-Approval 236.91
VOITH TURBO H55.6336.3x	VOITH TURBO DIWA Service Bulletin 013
GM DEXRON IIIH	-Extended Drain
Allison TES-468	Z F T E - M L
MAN 339 Typ V2/Z12/Z3	04D/14A/14B/14C/16L/16M/16S/20C/25C
VOITH TURBO H55.6335.3x	VOITH TURBO DIWA Service Bulletin 118 - Extended Drain

### DRIVEMAX ZFL

**Classification:** Heavy Duty Transmission Oil for ZF Long

SYNTHETIC Specs: ZF-Ecomat

Drivemax ZFL is a fully synthetic, premium quality, heavy duty automatic transmission oil specifically designed for the newest generation of ZF-Ecomat - and ZF- Ecolife transmissions. It is the ultimate performance automatic transmission fluid allowing longest oil drain intervals under all driving conditions.

#### Performance Levels (Meets or Exceeds):

ZF TE-ML 04D, 14E, 16N, 20F, 25F  
MAN 339 TYPE Z13, MAN 339 TYPE Z4



## AUTOMOTIVE – TRANSMISSION OIL

### DRIVEMAX III

**Classification:** Dexron III

SYNTHETIC Specs: Dexron-III

Drivemax III is a fully synthetic automatic transmission fluid formulated with premium, severely hydro processed base stocks and additives that helps provide oxidation and thermal stability, friction control, load-carrying ability, corrosion and wear protection. It helps protect against the formation of deposits, sludge, varnish, foam and provide outstanding durability.

**OEM Approvals:**

ZF TE-ML 04D / 14A

VOITH H55.6335.xx

**Performance Levels (Meets or Exceeds):**

GM DEXRON IIIG, IIH

MAN 339 TYPE V1/Z1/V2/Z2

VOITH 55.6336.3x

VOLVO 97340, 97341

ALLISON TES-389

VOITH H55.6335.xx

ALLISON C4

MB 236.9/236.1/236.5/236.6/236.10

ZF TE-ML 14A, 03D, 04D, 17C, 09C

FORD M, FORD TASA

### DRIVEMAX HD

**Classification:** Dexron III

SYNTHETIC Specs: Dexron-III

DRIVEMAX HD is an ultra high performance synthetic transmission fluid which is designed to meet the demanding requirements of modern heavy duty automatic transmissions. The latest synthetic base fluid technology in combination with high performance additives provides outstanding gear shifting and power transfer performance. It resists against thermal breakdown at high operating temperatures, while still providing outstanding performance at below zero temperatures. It is designed to deliver significantly extended drain interval.



## AUTOMOTIVE – TRANSMISSION OIL

### DRIVEMAX HD

**Classification:** Dexron III

**SYNTHETIC Specs:** Dexron-III

**Performance Levels (Meets & Exceeds):**

Allison TES-295	CATERPILLAR AT-1
VOLVO 97341	MB-Approval 236.91
VOITH TURBO H55.6336.3x	VOITH TURBO DIWA Service Bulletin 013
GM DEXRON IIIH	-Extended Drain
Allison TES-468	Z F T E - M L
MAN 339 Typ V2/Z12/Z3	04D/14A/14B/14C/16L/16M/16S/20C/25C
VOITH TURBO H55.6335.3x	VOITH TURBO DIWA Service Bulletin 118 - Extended Drain

### DRIVE II

**Classification:** Dexron II

**MINERAL Specs:** Dexron-II

Drive II is an automatic transmission oil blended with highly refined base stocks and one of the latest additive's technologies. It is used in passenger cars and light commercial vehicles. It helps reduce transmission "chatter" assuring a smooth and quiet operation at all speeds under any working condition. Drive II provides optimal oxidation and thermal stability, friction control, cleanliness, load carrying ability, wear and corrosion protection to ensure the longest life of your transmission.

**Performance Levels (Meets & Exceeds):**

CHRYSLER +3	GM DEXRON IID/IIIE
CAT TO-2	MAN 339 TYPE L1/L2/Z1/V1
VOLVO CE 97340/41	OPEL 19 40 700 / 19 40 707
VOITH H55.6335	ALLISON TES 389, ALLISON TES 228(C4)
MB 236.1/236.5/236.7236.8	ZF TE-ML-03D / 05 / 21L / 09 / 11A / 11B / 14A /
MITSUBISHI SP / SP2/ BTR	17C
FORD ESP-M2C138-CJ / ESP-M2C166-H	BMW 81 22 9 400 272/81 22 9 400 275/81 22 9
TASA	407 738
TOYOTA TII/2	



## DRIVE A

**Classification:** Type A

**MINERAL Specs:** TYPE A

Drive A is a multi-purpose transmission fluid, designed for use in automatic gearboxes, where GM Type A Suffix A is quoted. Its special formula enables very smooth operation of torque converters and fluid couplings of automatic transmissions

**Performance Levels (Meets & Exceeds):**

GM Type A Suffix A

## DRIVEMAX CVT

**Classification:** CVT

**SYNTHETIC Specs:** CVT

DriveMax CVT is a fully synthetic premium multi-vehicle transmission fluid for passenger cars and vans. A well-balanced fluid that provides exceptional metal-to-metal frictional properties to help prevent belt and chain slipping and help extend transmission life. It provides superior wet-clutch performance for outstanding anti-shudder durability and reduced noise, vibration and harshness.

**Performance Levels (Meets & Exceeds):**

CHRYSLER/DODGE/JEEP NS-2/CVT +4

BMW MINI COOPER EZL799/799A/ZF CVT V1

Nissan NS-1, NS-2, NS-3

Honda HMMF / HCF-2 / Z1

HYUNDAI/KIA CVT-J1 / SP-III

Ford CVT23, CVT30, WSS-M2C933-A

Mitsubishi DiaQueen CVTF-J1/CVTF-J4/SP-III

Suzuki CVTF 3320, TC, NS-2, CVTF Green1, CVTF Green 2

VAG TL 521 16 (G052 516) / TL 521 80 (G 052 180 A2)



## AUTOMOTIVE – TRANSMISSION OIL

### DRIVEMAX CVT

**Classification:** CVT

SYNTHETIC Specs: CVT

SUBARU ECVT / iCVT / iCVT FG / NS2 / LINEARTRONIC CVT CHAIN / LINEARTRONIC  
CVT II / HIGH TORQUE LINEARTRONIC

Mazda CVTF 3320

DAIHATSU TC

Toyota/Lexus TC, FE

AUDI MULTITRONIC

IDEMITSU CVTS-EX1

DAIHATSU AMMIX DC/DFC/CVTF-DFE

Audi/VW TL 52180, G 052 180, G 052 516

GM DEX-CVT

SHELL GREEN IV

MB 236.2

PUNCH CVT

### DRILHM PLUS FLUID

**Classification:** LHM Plus Fluid

MINERAL Specs: LHM PLUS

LHM Plus Fluid is high performance multipurpose mineral based brake and clutch fluid & hydraulic system fluid specially designed for use in Citroën XM, XANTIA, BX, CX, SM, GS, for hydraulic power units in Citroën ID and DS sold after September 1966 (components painted green). for brake circuits and hydraulic clutch control systems in utility vehicles Citroën N, P and C35. for the Peugeot 405X4 vehicle level adjuster. This product is designed to protect against pump wear and provide good rates of flow throughout the system even in the most extreme temperatures & pressures

#### Performance Levels (Meets or Exceeds):

PSA PEUGEOT CITROEN B71 2710

ISO 7308

FORD: ESN M6C 59A

## DRIVEMAX DCT

**Classification:** Dual Clutch Transmission

SYNTHETIC Specs: DCT

### Performance Levels (Meets or Exceeds):

Pentosin FFL-2 , FFL-3

Petronas TUTELA TRANSMISSION GEARFORCE

Shell TF 0870

## FARMOL UTTO

**Classification:** Universal Tractor Transmission Oil

MINERAL 10W-30

Farmol UTTO is an extra high performance multipurpose tractor lubricant engineered to meet or exceed transmission and hydraulic fluid requirements. It is particularly well suited for reducing wet brake and Power Take-Off (PTO) chatter. It helps protect against wear and corrosion of tractor components and has excellent anti friction properties. Farmol UTTO optimises the performance of agricultural and commercial tractors operating in a wide range of environments and conditions.

### Performance Levels (Meets or Exceeds):

API GL-4

Ford M2C-134 A/B/C/D

Case MS 1204,6,7,9

Massey Ferguson M1135, M1141, M1143, M 1145

Ford M2C-48B/C

Ford / NewHolland FNHA-2-C-201.00

Ford M2C-86B/C

New Holland NH 410B

ZF TE-ML-03E, 05F, 06K

John Deere J20 A/B/C, J14 B/C

ALLISON C4

Caterpillar TO-2

Ford M2C-159A



## AUTOMOTIVE – TRANSMISSION OIL

### FARMOL STOU

**Classification:** Super Tractor Oil Universal

MINERAL 10W-30

Farmol STOU is a premium multi-functional oil especially formulated for use in agricultural equipment, engines, transmissions, and differentials with wet brake system and integrated hydraulic system. The carefully chosen base oils and additive system forms a thermal and oxidation stable oil film thus keeps the engine, gear box, differential, and hydraulic system clean and in good condition.

**Performance Levels (Meets or Exceeds):**

API: CG-4 / GL-4

FORD NH 82009201, 2, 3

MASSEY FERGUSON M1145, M1139, M1144

ZF TE-ML 06A, B, C, R, 07B

FORD M2C 86B, C, 134D

JOHN DEERE JDM J27, J20C, J20D

FORD M2C 159B, C

ALLISON C4

Suitable for Wet Bakes

### TO-4 HD

**Classification:** MINERAL 10W

MINERAL 10W-30

TO-4 HD is specially designed for power shift transmissions, final drives and wet brakes on heavy duty off-highway equipment in earthmoving, mining, logging, road transport and agricultural applications. It is blended from premium quality base oils and proven performance additives.

**Performance Levels (Meets or Exceeds):**

Caterpillar TO-4

Allison TES 439

Komatsu KES 07.868.1

Allison C-4

ZF TE-ML-03C

API GL-4

## CHF PLUS

**Classification:** Central Hydraulic Fluid

MINERAL 10W

CHF Plus is a highly effective multi-purpose synthetic hydraulic fluid with ashless additives. It is specially developed for power steering, brake, suspension leveling and hydraulic suspension systems of modern cars. It can also be used in shock absorber, hydro-pneumatic suspension, traction and stability control systems.

### Performance Levels (Meets or Exceeds):

MAN M3289	VW/SEAT/SKODA/AUDI G 002 000 (TL 521 46),
Chrysler MS-11655	G 004
BMW 81 22 9 407 758	000
FORD M2C204-A	PENTOSIN CHF 11S
MB 345.0	FIAT 9.55550-AG2/9.55550-AG3 VG
VOLVO 1161529	22
GM 89021185/ 89021186/ 1052884/ 993294	HYUNDAI/KIA PSF-3/PSF-4

## DRIVEMAX MULTI

**Classification:** Chrysler ATF+4®

SYNTHETIC Specs: ATF+4®

Drivemax Multi is a premium synthetic ATF formulated for use in a wide variety of North American, European, and Asian vehicles. It has a very high viscosity index and offers resistance against corrosion and foam-building. It has also very good anti-oxidation and anti-ware characteristics. Drivemax Multi is blended using the latest generation technology with added “special friction modifiers”.

### Performance Levels (Meets or Exceeds):

- Fiat 9.55550-AV1, 9.55550-AV2, 9.55550-AV4
- BMW LT 71141, LA2634, ETL7045E, ETL8072B,
- Ford MERCON, MERCON V, MERCON SP
- Kia ATF SP-III ,ATF SP-3, Red-1, # UM040 CH020





## AUTOMOTIVE – TRANSMISSION OIL

### DRIVEMAX MULTI

**Classification:** Chrysler ATF+4®

SYNTHETIC Specs: ATF+4®

Land Rover M1375.4, # TYK500050, STC 4863

Lexus ATF WS, ATF Type T-IV, JWS 3324, NWS 9638

Mazda JWS 3317, ATF M-V, 6-sp AT, ATF F-1

Mini ASW 3309, # 83 22 0 402 413

Peugeot Z 000169756, # 9730 AC, #9735-EJ, JWS 3309

Subaru # KO410Y0700, ATF HP, SKU: SOA868V9241

Volvo # 97342, # 1161521, # 1161540, # 97340)

ZF TE-ML 03D / 04D / 09 / 14A / 14B / 16L / 17C

BMW LT 71141, LA2634, ETL7045E, ETL8072B

Citroën Z 000169756, # 9730 AC, #9735-EJ, JWS 3309

Petronas Tutela GI-V, Tutela GI-VI, Tutela Transmission Force4

Shell M-1375.4, LA 2634, ATF 3353, 3403(-M115)

Hyundai Red-1, SP II, SP III, ATF 9638, # 040000C90SG

Isuzu ATF Z1 (except CVTs), H50235, SCS

Jaguar M1375.4, JLM 20237, JLM 20238, Jaguar Fluid 8432

ZF Lifeguard 5, # S671 090 170, Lifeguard 6, # S671 090 255

General Motors GM DEXRON III G, III H, GM DEXRON II D, II E,

Infiniti ATF FMS, MATIC S, MATIC D, MATIC-J, MATIC K, MATIC W

Aisin Warner JWS 3309, JWS 2312D, CLIP, FF ATF, AW-F21

Honda ATF Z1 (except CVTs), # 082000-9001, ATF DW-1 (except CVTs)

Nissan ATF FMS, MATIC S, MATIC D, MATIC J, MATIC K, MATIC W, ATF D3M

Chrysler MS 7176, MS 7176D, MS 7176E, MS 9602, ATF+, ATF+2, ATF +3, ATF +4

Mercedes Benz MB 236.3, MB 236.5, MB 236.7, MB 236.9, MB 236.10, MB 236.11, MB 236.12, A0019892203

Mitsubishi Diamond (USA) / Dia Queen PSF, ATF-PA, ATF-J2, ATF-J3, SP II, SP III, PSF 3, AYC Fluid

VW (VAG) G 052 025-A2, G 052 162 A1 / A2 / A6, TL 52 162, G 052 990 A2, G 055 025 A2, G 055 005 A1 / A2 / A6

Toyota ATF D-III, ATF WS, ATF Type T, Type T-II, Type T-III, Type T-IV, JWS 2312D, JWS 3309, JWS 3324, LF,

• Porsche # 999.917.547.00 (A2), # 043 205 28 Renault DP0, Elfmatic J6, Renaultmatic D2, Renaultmatic



## AUTOMOTIVE – TRANSMISSION OIL

### DRIVEMAX MULTI

**Classification:** Chrysler ATF+4®

SYNTHETIC Specs: ATF+4®

Porsche # 999.917.547.00 (A2), # 043 205 28 Renault DP0, Elfmatic J6, Renaultmatic D2, Renaultmatic D3

Audi (VAG) Tip-tronic, G 052 025-A2, G 052 162 A1 / A2 / A6, G 052 990 A2, G 055 025 A2, G 055 005 A1 / A2 / A6

Allison C4, TES-295

Jalos JASO 1A

Jatco JF613E

Voith G607 (H55.6335XX

Acura ATF Z1 (except CVTs)

Texaco ETL 7045E, ETL 8072B, N402

AML # 4G4319A509/AA/S

Appolloil ATF Red-1K

Esso ATF LT 71141, JWS 3314

Fuchs Titan ATF 4400, Titan 3353

Idemitsu K17, ATF HP

Mobil ATF 3309, ATF 3317

Castrol Transmax J, Transmax Z

Total ATF H50235, Fluide AT 42

Bentley # PY112995PA

Daimler ATF +3, ATF +4

Maserati # 231603

Rolls Royce PL 31493PA

Saab JWS 3309, # 93 165 147

Saturn T-IV, # 22686186

Suzuki JWS 3314 / 3317 / 2384K



## AUTOMOTIVE GEAR OIL

### SHIFT ULTRA

**Classification:** API: GL-5

MINERAL – EXTREME PRESSURE 75W-90

Shift Ultra are superior sulfur-phosphorus, extreme pressure gear lubricants formulated with premium quality base stocks, friction modifiers and corrosion inhibitors, meeting the requirements of API GL-5 as well as many other manufacturer specifications. These oils are formulated to produce a superior gear lubricant with extreme pressure characteristics and thermal stability for automotive applications over a wide range of temperatures and heavy duty conditions.

**Performance Levels (Meets or Exceeds):**

API GL-5

MAN 342 M2

MIL MIL-L-2105D

ZF 12E/16B 16D 16C/17B 19B/21A

### SHIFT EXTRA

**Classification:** API: GL-4

EXTREME PRESSURE 75W-90

Shift Extra are high quality gear lubricants blended from solvent-refined mineral base oils and selected sulphur and phosphorous chemical additives. Due to their high shear stability they provide excellent protection for gears and can be used over a wide range of temperature.

**Performance Levels (Meets or Exceeds):**

API GL-4

MIL MIL-L-2105B



## AUTOMOTIVE GEAR OIL

### SHIFT ULTRA HD

**Classification:** API: GL-5/ MT-1

TRANSMISSION AND GEAR BOX LUBRICANTS 75W-90

Shift Ultra HD are extra high performance commercial gear lubricants which contain select base oils and a balanced additive system. Shift Ultra HD provide excellent chemical and thermal stability at elevated bulk oil temperatures and good performance at low temperatures. Complies with current manufacturers' regulations that demand oils with long drainage periods, enabling double or triple the interval between oil changes in comparison with conventional mineral oils.

**Performance Levels (Meets or Exceeds):**

API GL-5/ MT-1	MB 235.0/235.2/235.6 / 235.8
MIL MIL-PRF-2105E, L-2105D	ZF TE-L 05A/07A/08/12L/12M/16B /17B/19B/21A
SCANIA STO 1:0 2:0A	ARVIN MERITOR 076-D / 076-A / 076-N
SAE J2360	342 M3/ 341 GA1 / 341 Z2 / 342 S1
MACK GO-J	VOLVO 97310

### SHIFT ULTRA HD PLUS

**Classification:** API: GL-4

HIGH PERFORMANCE HEAVY DUTY 75W-90

Shift Ultra HD Plus oils are synthetic drivetrain lubricants engineered to meet the most demanding extended drain requirements. These products are designed for use in heavy-duty drivetrains that require gear lubricants with excellent loadcarrying capability and where extreme pressures and shock loading are expected. Synthetic base stock and advanced additives in Shift Ultra HD Plus delivers unsurpassed performance for low and high temperature application, protection against

**Performance Levels (Meets or Exceeds):**

API GL-5/ MT-1  
SAE J2360  
MACK GO-J PLUS  
MIL-PRF 2105E  
MB 235.8  
EATON PS-163

## SHIFT ULTRA FE

**Classification:** API: GL-5 (Limited Slip)

LONG LIFE TRANSMISSION OIL 75W-80

Shift Ultra FE is a fully synthetic fluid developed specifically to meet ZF extended drain intervals requirements (540.000 km) and is recommended for use in all ZF commercial manual and automated gearboxes, whether synchronized or non- synchronized, running under the most severe conditions of load, speed and temperature. It can be recommended in other manual transmissions requiring API GL-4 and is particularly suitable for severe applications where loads and temperatures are higher.

**Performance Levels (Meets or Exceeds):**

API GL-4

MAN 341 E3/Z3/Z4/Z5

VOITH CLASS C

MB 235.28

VOLVO 97307 /97305

## 2330 SHIFT EXTRA

**Classification:** API: GL-4

MANUAL TRANSMISSION OIL 75W-80

Shift Extra 2330 is a high quality transmission oil, suitable for nearly all manual gear boxes of passenger cars. It is specially recommended for PSA manual gear boxes with extended drain interval and friction modifier additive adapted to PSA manual gear boxes.

**Performance Levels (Meets or Exceeds):**

API GL-4

GM 1940182

PSA B2330 71

GM 1940768

PSA 9730 A8

HONDA MTF 94

MB 235.10

VOLVO 97310/97309/97308

FORD WSD-M2C-200D

NISSAN MT-XZ

FORD ESD-M2C-186A



## SHIFT

**Classification:** API: GL-1

MINERAL SAE 90

Shift oils GL-1 are rust and oxidation inhibited gear oils that are recommended for many automotive and industrial equipment where the equipment manufacturer recommends the use of a straight mineral oil with SAE viscosity grades 90 or 140. These gear oils are also suitable for

### **Performance Levels (Meets or Exceeds):**

- API: GL-1

## STOP 5.1

**Classification:** DOT 5.1

FULLY SYNTHETIC DOT 5.1

STOP 5.1 is a premium quality fully synthetic polyglycol based, non-silicone, DOT 5.1 brake fluid designed for all driving conditions and brake systems, including disc, drum and anti-skid (ABS) applications. It ensures advanced performance and system protection. It has excellent

### **Performance Levels (Meets or Exceeds):**

FMVSS 116 DOT 5.1

ISO 4925 (Class 5.1)



## AUTOMOTIVE – BRAKE FLUID

### STOP 4

**Classification:** DOT 4

FULLY SYNTHETIC DOT 4

STOP 4 is high quality synthetic brake and clutch fluid conforming to the DOT4 specifications and is based on polyglycol type fluids that is a general standard used in worldwide automotive brake equipment. The product is blended with special additives that prevent fluid oxidation, rust and the swelling of the piston seals used in conventional brake systems

**Performance Levels (Meets or Exceeds):**

FMVSS 116 DOT 4

ISO 4925 (CLASSES 4)

SAE J 1704

JIS K 2233

### STOP DOT 4 LV

**Classification:** DOT 5.1

FULLY SYNTHETIC DOT 4

Stop DOT 4 LV is a very high specification Brake and Clutch Fluid which conforms to the latest ISO 4925 Class 6 standard. Its exception low temperature viscosity allows an easier fluid circulation in micro-valves of anti-locking systems for better response of ABS, ESP and ASR high-pressure systems. The high wet boiling point of Stop DOT 4 LV as compared to conventional DOT 4 enables longer product lifetime.

**Performance Levels (Meets or Exceeds):**

ISO 4925 Class 6

MB 331.0

BMW QV 34001

FMVSS 116 DOT 4

VW 501.14 (TL 766-Z)

SAE J 1704

FORD WSS-M6C65-A2/M6C57-A2



## AUTOMOTIVE – BRAKE FLUID

### STOP 3

**Classification:** DOT 4

FULLY SYNTHETIC DOT 3

STOP 3 is high quality synthetic brake and clutch fluids conforming to the DOT3 specifications and are based on polyglycol type fluids that is a general standard used in worldwide automotive brake equipment. The product is blended with special additives that prevent fluid oxidation, rust and the swelling of the piston seals used in conventional brake systems.

**Performance Levels (Meets or Exceeds):**

FMVSS 116 DOT 3

SO 4925 (Class 3)

SAE J 1703

### STOP DOT 4 LV

LONG LIFE COOLANT FOR PASSANGER CARS AND COMMERCIAL  
VEHICLES Concentration: 33%

**Classification:** Coolant

Avalanche Coolant / Antifreeze is a ready-to-use, phosphate-free, silicate-free, nitrite-free and borate-free, ethylene glycol-based coolant that is designed to provide exceptional wet sleeve liner cavitation and corrosion protection of all cooling system metals. Avalanche Coolant / Antifreeze is formulated with organic corrosion inhibitors to provide total cooling system protection for onroad and off-road use.

**Performance Levels (Meets or Exceeds):**

BS 6580

SAE J1034, J1038

Cummins 90T8-4

Detroit Diesel 7SE298

GM 1825, 1899M, 6277M

Freightliner 48-22880

ASTM D3306

CAT ELC (EC-1)

TMC RP329

## AVALANCHE G400

**Classification:** Coolant

SOAT – SILICATED ORGANIC ACID TECHNOLOGY 33%

Avalanche G400 is an Ethylene Glycol based, Anti-freeze and anti-boil coolant concentrate. It uses a technically advanced Si-OAT (Organic Acid Technology) based inhibitor system that is Phosphate, Amine, Borate and Nitrite free. The extended long life inhibitor formulation prevents rust, corrosion, cavitation and degradation of the cooling system. Avalanche G400 fulfills the requirements of latest VW coolant specification VW TL 774-G (G12++) and provides a service life of 8 years / 500,000 Km.

### **Performance Levels (Meets or Exceeds):**

Audi TL 774-G, Bentley TL 774-G, Bugatti TL 774-G, GM 6277M, Cummins CES 14603, Deutz DQC CC-1, Ducati (TL 774-G), Lamborghini TL 774-G, MAN 324 Typ Si-OAT, MB 325.6, MB 326.6 (Ready Mix), MB 325.5, MB 326.5 (Ready Mix), MTU MT 5048, Porsche TL 774-G, Seat TL 774-G, Skoda TL 774-G, VW TL 774-G, FORD WSS-M97B44-D

## AVALANCHE G130

**Classification:** Coolant

LOW SILICATE HYBRID (LOBRID) Concentration: 33%

Avalanche G130 is a coolant additive concentrate based on mono ethylene glycol and glycerol. It has a combination of active agents which is formulated using an ingenious selection of inhibitors based on hybrid technology. Avalanche G130 is free of nitrites, amines and phosphates and contains a performance anticorrosion inhibitor system, based on silicates combined with proven OAT (Organic acid technology). It offers great protection to modern passenger cars as well as commercial vehicle engines against frost, corrosion and overheating across its entire engine service life. Avalanche G130 fulfills the requirements of VW coolant specification VW TL 774-J (G13).

## **AVALANCHE G130**

**Classification:** Coolant

LOW SILICATE HYBRID (LOBRID) Concentration: 33%

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### **Performance Levels (Meets or Exceeds):**

Volkswagen TL-774 J (G13)

## **AVALANCHE G130**

**Classification:** Coolant

LOW SILICATE HYBRID (LOBRID) Concentration: 33%

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Avalanche G130 is a coolant additive concentrate based on mono ethylene glycol and glycerol. It has a combination of active agents which is formulated using an ingenious selection of inhibitors based on hybrid technology. Avalanche G130 is free of nitrites, amines and phosphates and contains a performance anticorrosion inhibitor system, based on silicates combined with proven OAT (Organic acid technology). It offers great protection to modern passenger cars as well as commercial vehicle engines against frost, corrosion and overheating across its entire engine service life. Avalanche G130 fulfills the requirements of VW coolant specification VW TL 774-J (G13).

### **Performance Levels (Meets or Exceeds):**

Volkswagen TL-774 J (G13)

## **AVALANCHE G300**

**Classification:** Coolant

ORGANIC ACID TECHNOLOGY Concentration: 33%

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Avalanche G300 is a long life antifreeze coolant concentrate based on mono ethylene glycol for heavy duty application as well as passenger cars and stationary combustion engines. Avalanche G300 is free of nitrites, amines, silicates and phosphates and is formulated using the highly efficient OAT (Organic Acid Technology). It prevents highly loaded engines fitted to passenger cars and commercial vehicles from frost, overheating, corrosion and cavitation. Avalanche G300 provides protection to the entire cooling system and prevents corrosion on all metals commonly found in engine cooling systems, especially aluminum. Avalanche G300 fulfills the requirements of VW coolant specification VW TL 774-D/F (G12, G12+) and provides a service life of 7 years / 450,000 Km



## AVALANCHE G300

**Classification:** Coolant

ORGANIC ACID TECHNOLOGY Concentration: 33%

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### Performance Levels (Meets or Exceeds):

Audi TL 774-D/F, Bentley TL 774-D/F, DAF MAT 74002, Deutz DQC CB-14, Ferrari (> 2010), Lamborghini TL 774-D/F, MAN 324 SNF, MB 325.3, MB 326.3 (Ready Mix)), Mini LC-07, MTU MTL 5048, Porsche TL 774-D/F, Seat TL 774-D/F, MB 326.3 (Ready Mix), Skoda TL 774-D/F, Volkswagen VW TL 774-D/F, TOYOTA TSK 2601G-8A, GM 6277M, PSA B71 5110, FORD WSS-M97B44-D

## AVALANCHE G480

**Classification:** Coolant

SILICATE TYPE HYBRID TECHNOLOGY  
Concentration: 33%

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Avalanche G480 is an antifreeze coolant concentrate based on mono ethylene glycol. It is free of nitrite, amine and phosphate. It contains a mixture of inorganic and organic corrosion inhibitors and belongs to the hybrid type coolants. Avalanche G480 protects modern engines of passenger cars as well as commercial vehicles from damages caused by cavitation, freezing, rust and overheating. The highly effective corrosion inhibitors protect all metals in the cooling system from deposit and corrosion. Avalanche G400 fulfills the requirements of VW coolant specification VW TL 774 -C (G11) and provides a service life of 7 years / 450,000 Km.

### Performance Levels (Meets or Exceeds):

Audi TL 774-C, BMW GS 94000, Deutz TR-0199-99-1115, Deutz DQC CA-14, MAN 324 NF, MB 325.0, MB 325.2, MB-326.0 (Ready Mix), MTU

MTL 5048, Opel B 040 0240, Seat TL 774-C, Skoda TL 774-C, VW TL 774-C, Volvo Trucks TR 1286083, Voith Turbo 172.00225010



## INDUSTRIAL – INDUSTRIAL GEAR OIL

### AVALANCHE HOAT

**Classification:** HYBRID

Concentration: 33%

Avalanche HOAT is based on Hybrid Organic Acid Technology (HOAT) which provides protection against damaging rust and corrosion in automobiles and truck cooling systems including American, Asian, and European vehicles. This product is formulated to be phosphate-free and does not contain 2-Ethylhexanoic acid (2EH).

**Performance Levels (Meets or Exceeds):**

ASTM D3306, D4985, D6210	CUMMINS
BS 6580	DETROIT DIESEL
SAE J1034, J1941	JIS K 2234
FORD WSS-M97B51-A1	JOHN DEERE H-5, H24B1, H24C1
ANFOR NF R 15-601	TMC RP329, RP330
CATERPILLAR (DEAC)	
CHRYSLER MS 7170	

### VECTOR EP

**Classification:** EP

MINERAL ISO VG Grade: 68

Vector EP gear lubricants are high performance, multipurpose mineral oil based lubricants designed for the lubrication of many types of industrial gear systems like spur, helical, and straight and spiral bevel types operating under severe and wide ranges of speeds, loads and temperatures. These oils are designed to provide outstanding wear protection and excellent thermal stability

**Performance Levels (Meets or Exceeds):**

DIN 51517 Part 3 CLP	GM LS 2 EP GEAR OIL
ISO 12925-1:1996 CKD	FIVES CINCINNATI MACHINE GEAR
AIST 224/US STEEL 224	FLENDER
ANSI/AGMA 9004-D95/9005-E02	
DAVID BROWN S1.53.101	



## INDUSTRIAL – HYDRAULIC OIL

### VECTOR HD

**Classification:** EP/PAO

SYNTHETIC ISO VG Grade: 68

Vector HD are synthetic PAO based gear oils designed to provide outstanding protection in industrial gear systems. They contain an advanced additive system designed to provide excellent protection against scuffing as well as a high level of resistance against micro pitting fatigue. Vector HD oils are designed for use in a wide range of applications, including: reduction gearboxes, direct drives, angle drives, chain drives, gear couplings, hoist/winch gearboxes, screw feeder gearboxes, travel gearboxes, swing gearboxes, turret heads, workheads, centralised circulation systems.

**Performance Levels (Meets or Exceeds):**

US STEEL 224

AGMA 250.04

DAVID BROWN TABLE E 2E-9E

### TORQUE AW

**Classification:** HLP DIN 51524-2

MINERAL ISO VG Grade: 22

Torque AW are high quality anti-wear hydraulic oils specially developed to satisfy the wide temperature variations and viscosity range encountered with modern hydraulic systems and meet the requirements of the world's leading hydraulic equipment manufacturers. The excellent demulsibility and VI of Torque AW oils prove highly useful in a wide range of applications.

**Performance Levels (Meets or Exceeds):**

• DIN 51524-2 HLP

VICKERS I-286-S, M-2950-S

DENISON HF-1, HF-2, HF-0

CINCINNATI MILACRON P-68, P-69, P-70

LEE NORSE 100-1

B.F. GOODRICH 0152

FORD M-6C 32

AFNOR E 48-603

## TORQUE HVLP

**Classification:** HVLP DIN 51524-3

MINERAL ISO vg grade: 22

Torque HVLP hydraulic oils provide excellent high temperature performance, high degree of shear stability and oxidation resistance. These oils are formulated to have a high viscosity index and a low pour point for use over a wider temperature range. They provide excellent wear protection and thermal stability at high temperatures to minimise deposit formation and provide long service life. They protect hydraulic system components against rust and corrosion.

**Performance Levels (Meets or Exceeds):**

DIN 51524-3 (HV)

DIN 51524-2 (HM)

## TORQUE R&O

**Classification:** R&O OIL

MINERAL ISO VG Grade: 22

Torque R&O is a rust and oxidation (R&O) inhibited, antiwear circulating oil developed for use in circulation systems, centrifugal air compressors, geared turbines, lightly loaded enclosed gear drives and many other industrial applications. It contains a low level of ash less (zinc-free) antiwear additives for mild wear protection

**Performance Levels (Meets or Exceeds):**

DIN 51517-2 (HL)

DIN 51524-1

BS 489

ASTM D4304 TYPE I

GEK 101941A, GEK 46506E

GEK 27070, GEK 28143A

MIL-L-17672D

US STEEL 126

### TORQUE SYN HVLP

**Classification:** SYN HLP

MINERAL ISO VG Grade: 22

Torque SYN HVLP hydraulic oils are synthetic hydraulic oils with excellent high temperature performance, high degree of shear stability and oxidation resistance. These oils are formulated to have a high viscosity index and a low pour point for use over a wider temperature range. They provide excellent wear protection and thermal stability at high temperatures to minimize deposit formation and provide long service life. They protect hydraulic system components against rust

**Performance Levels (Meets or Exceeds):**

DIN 51524 Part 3, Type HVLP

Denison HF-0, HF-1, HF-2

### TORQUE EAL

**Classification:** SYN EAL

MINERAL ISO VG Grade: 46

To reduce the environmental impact and protect the environment from accidental oil spills, Lubxen has developed a range of synthetic oleochemical esters based biodegradable hydraulic oil products. The Torque EAL range of biodegradable hydraulic oils are readily biodegradable lubricants which meet very strict criteria and requirements in terms of biodegradability and toxicity.

**Performance Levels (Meets or Exceeds):**

Pw1 Ultimate Biodegradability (ASTM D5864)

OECD 301B Readily Biodegradable

Vessel General Permit (VGM) Compliant

EN 16807: European Standard



## COMPROL

**Classification:** Compressor Oil

MINERAL ISO VG Grade: 32

The Comprol is a line of premium performance ash less air compressor lubricants designed to meet the stringent requirements of the major compressor manufacturers. They are formulated with high quality mineral base-oils and a high performance additive system designed to provide exceptional equipment protection and reliability for compressors operating under mild to severe conditions. They provide excellent wear protection and the ability to reduce maintenance costs through minimising equipment problems and downstream deposits and carryover.

**Performance Levels (Meets or Exceeds):**

DIN 51506 VDL

## COMPROL SYN

**Classification:** Compressor Oil

SYNTHETIC ISO VG Grade: 32

Comprol SYN are synthetic air compressor lubricants formulated with quality PAO base fluids and a high performance additive package. They provide excellent thermal and oxidation stability, high viscosity index, high flash point, low pour point, and excellent hydrolytic stability. Use the appropriate viscosity grade of Comprol SYN PAO oils in single and multistage rotary screw, vane, and reciprocating compressor crankcases and cylinders, vacuum pumps and other compressor applications.

**Performance Levels (Meets or Exceeds):**

DIN 51506 VDL

### PROTEC ST SERIES

**Classification:** Rust Preventive Oil

MINERAL

Protec ST 400 is a solvent based, water displacing, rust preventive, protection fluid. It is used for intermediate storage of work pieces during and after production. It protects the metal surface by forming a light imperceptible residual film. Protec ST 400 will displace free standing water and provides short to medium term indoor protection.

Protec ST 600 is an oil dispersed non-staining rust preventive fluid designed to deposit a light oily film which provides indoor protection on steel sheets and other ferrous parts. The Protec ST 600 will neutralise fingerprints and provides excellent water displacing characteristics while preventing the formation of black stains when parts are store in contact with each other.

Protec ST 900 is corrosion protection fluid that coats metal parts with a soft, waxy film with slight dewatering effect. It is recommended for strip steel, galvanised steel metal, polished sheet metal, black sheet metal, and other types of metal stored outside and of course, inside for very long time.

### FRICTO CALCIUM

**Classification:** CALCIUM GREASE

MINERAL NLGI Grade: 2

Fricto Calcium greases consist of refined paraffinic base stock, calcium based thickener and special additive package. These greases possess good water resistance and can be used for lubrication of machine elements operating in conditions where water ingress cannot be avoided. These greases provide protection against rust, corrosion, wear and have outstanding ability to resist water washout.

**NLGI Grades:**

NLGI 2

NLGI 3



## GREASES – SPECIALTY GREASES

### FRICTO LITHIUM EP

**Classification:** LITHIUM EP GREASE

MINERAL NLGI Grade: 2

Fricto Lithium EP is a Lithium thickened lubricating grease formulated with mineral base oil and improved with extreme pressure (EP) additives to lubricate and protect even in heavy loaded circumstances. Mechanically very stable and easily pumpable due to its smooth consistency.

**NLGI Grades:**

NLGI 2

NLGI 3

### FRICTO LITHIUM MP

**Classification:** LITHIUM MP GREASE

MINERAL NLGI Grade: 2

Fricto Lithium MP is multipurpose grease for general lubrication under normal operating conditions and loads, formulated for lubrication of all kinds of universal applications in transport, agriculture and off road equipment operating in wet, dusty and/or dry conditions.

**NLGI Grades:**

NLGI 2

NLGI 3

### OPTIMUS LITHIUM COMPLEX

**Classification:** LITHIUM COMPLEX

MINERAL NLGI Grade: 2

Optimus Lithium Complex are extended service lithium complex greases intended for a wide variety of applications and severe operating conditions. They are formulated to provide excellent high temperature performance with superb adhesion, structural stability and resistance to water contamination. These greases have a high level of chemical stability and offer excellent protection against rust and corrosion.

### OPTIMUS LITHIUM COMPLEX

**Classification:** LITHIUM COMPLEX

MINERAL NLGI Grade: 2

Optimus Lithium Complex are extended service lithium complex greases intended for a wide variety of applications and severe operating conditions. They are formulated to provide excellent high temperature performance with superb adhesion, structural stability and resistance to water contamination. These greases have a high level of chemical stability and offer excellent protection against rust and corrosion.

**NLGI Grades:**

DIN 51825:(2004-06) – KP1N-20 for NLGI-1 and KP2N-20 for NLGI-2

DIN 51 502: K2K -25 – P79 for NLGI-0, P72 for NLGI-1, P64 for NLGI-2

### OPTIMUS MINING GREASE

**Classification:** LITHIUM SOAP

MINERAL NLGI Grade: 1

Optimus Mining Grease is designed for the lubrication of extra heavy-duty off-highway and mining equipment. These greases contain 5% molybdenum disulfide, can be utilised over a wide range of operating conditions and temperatures to improve productivity. Optimus mining greases has excellent extreme pressure and anti-wear properties in addition to exceptional staying power, very good water wash-out, water spray-off, and extended service capabilities under harsh operating conditions.

**NLGI Grades:**

NLGI 0

NLGI 1

NLGI 2

**Classification:** LITHIUM SOAP



## GREASES – SPECIALTY GREASES

### OPTIMUS HT SYNTHETIC GREASE

**Classification:** LLITHIUM COMPLEX

MINERAL NLGI Grade: 2

Optimus HT Synthetic is a premium quality lithium complex thickened grease designed to withstand high temperatures over extended periods without leaving dry residues associated with conventional types of thickeners used in high temperature greases. The addition of extreme pressure additives reduces friction and self-generating temperatures. It also provides excellent lubrication at sub-zero and ambient temperatures making this grease extremely versatile in its applications.

**NLGI Grades:**

NLGI 2

### OPTIMUS MOLY EP

**Classification:** MOLYBDENUM

MINERAL NLGI Grade: 2

Optimus Moly EP are premium quality multi-purpose, molybdenum disulfide extreme pressure (EP) greases designed for general industrial applications. It contains an extreme-pressure additive as well as molybdenum disulfide (also known as moly and MoS<sub>2</sub>), which enhances the anti-friction properties of the grease under boundary lubrication conditions. They are water resistant, have excellent oxidation and mechanical stability, and protect against corrosion.

**NLGI Grades:**

NLGI -2





## GREASES – SPECIALTY GREASES

### OPTIMUS BENTONITE

**Classification:** BENTONITE

MINERAL NLGI Grade: 2

Optimus Bentonite grease is a premium quality, non-melting grease for use in plain and anti-friction bearings subjected to elevated temperatures. The consistency of the grease remains stable throughout a wide temperature range. It is recommended for use in all industrial ball, roller and plain bearings where extremely high temperatures are coupled with heavy loads. This grease is particularly useful in applications where melting-out or dripping of grease would cause damage to production or materials, and therefore is highly recommended for overhead conveyor bearings in high temperature environments

**NLGI Grades:**

NLGI 2

### OPTIMUS MOLY EP

**Classification:** MOLYBDENUM

MINERAL NLGI Grade: 2

Optimus Moly EP are premium quality multi-purpose, molybdenum disulfide extreme pressure (EP) greases designed for general industrial applications. It contains an extreme-pressure additive as well as molybdenum disulfide (also known as moly and MoS<sub>2</sub>), which enhances the anti-friction properties of the grease under boundary lubrication conditions. They are water resistant, have excellent oxidation and mechanical stability, and protect against corrosion.

**NLGI Grades:**

DIN 51502 KH2R-20

ISO 6743-93 L-XBEHA2



## AUTOMOTIVE – PETROL ENGINE OIL

### MOMENTA NANO

**Classification:** API: CI-4/SL

SEMI SYNTHETIC 10W-30

#### Performance Levels (Meets & Exceeds):

API CI-4/SL	Cummins CES 20076/20077/78
ACEA E7, A3/B3/B4	Global DHD-1
MB 228.3 / 229.1	Renault RLD-2
MAN M3275-1	MTU Type 2
Volvo VDS-3	Allison C4
Deutz DQC III-10	Caterpillar ECF 1a, ECF 2
JASO DH1	DDC 93K215
MACK EO-N	

### MOMENTA NANO

**Classification:** API: CI-4/SL

MINERAL 20W-50

Momenta Nano is a high-performance diesel engine oil that provides excellent lubrication to diesel engines. It maximizes performance in the latest US, European and Japanese heavy-duty diesel engines including severe applications such as high loads and multi-trailer applications. It exhibits outstanding detergent, dispersant and anti-wear properties to keep the engine clean and enable efficient control of soot, sludge, and piston deposits.

#### OEM Approvals:

MB-Approval 228.3 (SAE 15W-40)

#### Performance Levels (Meets & Exceeds):

API CI-4/SL	MACK EO-N
ACEA E7, A3/B3/B4	Cummins CES 20076/20077/78
MB 228.3 / 229.1	Global DHD-1
MAN M3275-1	Renault RLD-2
Volvo VDS-3	MTU Type 2
Deutz DQC III-10	Allison C4
JASO DH1	Caterpillar ECF 1a, ECF 2
	DDC 93K215

Product Type: Automotive diesel engine oil



## MARINE – OUTBOARD ENGINE OIL

### MARINE 2T PLUS

**Classification:** NMMA TC-W3

**MINERAL SAE Grade:** SAE 20

Marine 2T Plus is a premium performance, two-stroke, marine outboard engine oil formulated with a special ashless additive system. It is pre-diluted with high flash point solvent to facilitate mixing with petrol at all temperatures. It is designed for engines requiring NMMA TC-W3 performance lubricants, operating in all service conditions. It may be used at manufacturers recommended fuel/oil ratios from 11:1 to 100:1.

**Industry Approval:**

NMMA TC-W3

**Performance Levels (Meets & Exceeds):**

NMMA TC-W3

API TC

JASO FB

### MARINE 2T

**Classification:** NMMA TC-W2

**MINERAL SAE Grade:** SAE 20

Marine 2T is a two stroke outboard marine engine oil conforming to NMMA TC-W2 specifications. It is a superior quality ashless two-stroke lubricant designed to meet the most critical requirements of all air cooled and water-cooled outboard engines.

**Performance Levels (Meets & Exceeds):**

NMMA TC-W2

NMMA TC-W

API TC

**Performance Levels (Meets & Exceeds)**

- ISO L-HFC (ISO/DIS 12922)
- FM Global Standard 6930

## OPTIMUS TRANSFORMER OIL (INHIBITED)

**Classification:** Classification: Transformer Oil**MINERAL**

Optimus Transformer Oil (Inhibited) is a series of products blended using highly refined mineral oil and a selected antioxidant package. It is designed for insulating and cooling transformers, oil-immersed switch-gear and other electrical insulating applications

**Performance Levels (Meets & Exceeds):**

IEC 296 Class IA-Inhibited

IEC 296 Class I-Inhibited

IEC 60296-Inhibited (Paraffinic)

- IEC 60296-Inhibited (Naphthenic)

## OPTIMUS TRANSFORMER OIL (UN-INHIBITED)

**Classification:** Transformer Oil**MINERAL**

Optimus Transformer Oil is series of highly refined un-inhibited mineral oils. These are designed for insulating and cooling transformers, oil immersed switch-gear and other electrical insulating application. They provide excellent dielectric (insulating) properties, effectively prevent discharge in an electric field. These oils have low viscosity and low density lead to the oils having good cooling



## MARINE – OUTBOARD ENGINE OIL

### LUBXEN MARINE FC-W

**Classification:** NMMA FC-W

**MINERAL SAE Grade:** 5W-30

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Marine FC-W is high performance four stroke outboard engines engine oil. It meets the performance requirements of the NMMA (National Marine Manufacturers Association) FC-W oil standard. It maintain peak engine performance and reliability by providing outstanding wear and corrosion protection as well as minimising deposits and reducing oil consumption, thus extending engine life.

**Performance Levels (Meets & Exceeds):**

NMMA FC-W

### MARINE OUTBOARD GEAR OIL

**Classification:** API: GL-5

**SAE Grade:** SAE 90

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Marine Outboard Gear Oil is a marine environment extreme pressure gear lubricant suitable for use in the gearboxes of a majority of boats fitted with an outboard engine, stern drive unit, and other marine uses. It provides outstanding protection from cold start to operating temperatures, making gear selection and engagement smoother and easier

**Performance Levels (Meets & Exceeds):**

API GL



**Performance Levels (Meets & Exceeds):**

BS 148:1984 Class-1/IEC 295 Class Uninhibited

IEC 60296-Uninhibited (Paraffinic)

IEC 60296-Uninhibited (Naphthenic)

## **OPTIMUS HT SYNTH CHAIN OIL**

**Classification:** Industrial Chain Oil

**SYNTHETIC ISO VG Grade: 68**

Optimus HT SYNTH Chain Oil is a high temperature chain oil with high film strength and adhesion, for a wide thermal operating range. It is suitable for chains, slide ways and guideways on machinery and apparatus in the textile, plastics and timber industries, also for conveyor chains in driers, oven/furnaces, paint lines, and wherever chain lubrication at temperature is required. Optimus HT SYNTH Chain Oil has wide range of application temperature range from -30°C to +250°C.

## **OPTIMUS NEAT CUTTING OIL**

**Classification:** Cutting Oil

**MINERAL ISO VG Grade: 22**

Optimus Neat Cutting Oil is formulated from high quality base oils and combination of passive and extreme pressure additive package especially developed for cutting oils used in severe operations. This cutting oil is extremely effective at providing rust and corrosion protection of parts, cutting tools and the machine.



## MARINE – TRUNK PISTON ENGINE OIL

### LUBXEN MARINE 1240 & 1230

**Classification:** TPEO

**MINERAL SAE Grade:** SAE 30

Lubxen Marine 1230 and 1240 are high performance trunk piston engine oils for medium speed marine and industrial type trunk piston engine operating on low Sulphur distillate fuel (Sulphur up to 1%). They are blended using solvent-refined high viscosity index paraffinic mineral base oils with chemical additive which provide effective alkalinity, wear resistance, detergency, and dispersancy. engines.

**Meets OEMs:**

MAN

Mak / Caterpillar

Wartsila

Yanmar

Daihatsu

**Meets OEMs:**

API: CF

### LUBXEN MARINE 1540 & 1530

**Classification:** TPEO

**MINERAL SAE Grade:** SAE 30

Lubxen Marine 1530 and 1540 are high performance trunk piston engine oils for medium speed marine and industrial type trunk piston engine operating on low Sulphur distillate fuel (Sulphur up to 1%). They are blended using solvent-refined high viscosity index paraffinic mineral base oils with chemical additive which provide effective alkalinity, wear resistance, detergency, and dispersancy.



## MARINE – TRUNK PISTON ENGINE

### Meets OEMs:

MAN

Mak / Caterpillar

Wartsila

Yanmar

Daihatsu

### Performance Levels (Meets & Exceeds):

API: CF

## LUBXEN MARINE 2040 & 2030

**Classification:** TPEO

**MINERAL SAE Grade:** SAE 30

Lubxen Marine 2030 and 2040 are high performance trunk piston engine oils for medium speed marine and industrial type trunk piston engine operating on low Sulphur distillate fuel. They are blended using solvent-refined high viscosity index paraffinic mineral base oils with chemical additive which provide effective alkalinity, wear resistance, detergency and dispersancy.

### Meets OEMs:

MAN

Mak / Caterpillar

Wartsila

Yanmar

Daihatsu

### Performance Levels (Meets & Exceeds):

API: CF

## **OPTIMUS SOLUBLE CUTTING OIL**

**Classification:** Soluble Cutting Oil

**MINERAL Grade: 22**

Optimus Soluble Cutting Oil is formulated from high quality base oils and combination of passive and extreme pressure additive package especially developed for cutting oils used in severe operations. This cutting oil is extremely effective by providing rust and corrosion protection of parts, cutting tools, and the machine. It has outstanding emulsion stability and readily mixes with water. It is recommended at 10:1 up to 20:1 water oil dilution for milling, boring and turning and 40:1 for grinding. It is non-staining and can be used on both ferrous and non-ferrous metals.

## **OPTIMUS KNITTING OIL**

**Classification:** Knitting Oil

**MINERAL ISO VG Grade: 15**

Optimus Knitting Oil is especially designed for application in knitting industry. Blended with high quality, highly refined base oils and improved anti-wear additives to meet the increased requirements of knitting industry in terms of high speed and temperatures. The oil has good oxidation stability and provides long life to machine components. It provides excellent lubrication as well as affording complete removability from fabric during most scouring processes. It is compatible with all conventional sealing materials, rubber and plastic components.

## **OPTIMUS KNITTING OIL**

**Classification:** Knitting Oil

**MINERAL ISO VG Grade: 15**

Optimus Knitting Oil is especially designed for application in knitting industry. Blended with high quality, highly refined base oils and improved anti-wear additives to meet the increased requirements of knitting industry in terms of high speed and temperatures. The oil has good oxidation stability and provides long life to machine components. It provides excellent lubrication as well as affording complete removability from fabric during most scouring processes. It is compatible with all conventional sealing materials, rubber and plastic components.



## MARINE – TRUNK PISTON ENGINE

### LUBXEN 3040 & 3030

**Classification:** TPEO

**MINERAL SAE Grade:** SAE 30

Lubxen Marine 3030 and 3040 are trunk piston engine oils for crankcase lubrication requirements of high-output medium speed engines and other similar marine type applications. They are formulated from solvent-based paraffinic thermally stable base oils, combined with an effective additive package providing enhanced load-carrying ability, efficient oxidation stability, and effective dispersancy/detergency.

**Meets OEMs:**

- Mak / Caterpillar
- Wartsila
- Yanmar
- Daihatsu

**Performance Levels (Meets & Exceeds):**

API: CF

### LUBXEN 4040, 5040, 5540

**Classification:** TPEO

**MINERAL SAE Grade:** SAE 40

Lubxen Marine 4040, 5040, and 5540 are trunk piston engine oils designed for use in medium speed diesel engines operating on residual fuels in marine, power generation and industrial applications. The superior additive technology used in these oils provides excellent engine cleanliness & wear protection under different operating conditions. These oils exhibit a high degree of water tolerance and have better water separation and base retention properties.

**Meets OEMs:**

- MAN
- Mak / Caterpillar
- Wartsila
- Yanmar
- Daihatsu



**Meets OEMs:**

MAN

Wartsila

MHI

## LUBXEN MCL 40, 50, 70 & 100

**Classification:** Marine Cylinder Oil**MINERAL SAE Grade: SAE 50**

Lubxen MCL is a range of alkaline marine cylinder lubricants for all low speed marine two stroke crosshead engines, including low Sulphur applications, highly rated large bore engines and engines at optimised feed rates.

**Meets OEMs::**

- MAN
- Wartsila
- MHI

## LUBXEN MGO

**Classification:** Marine Gear Oil**MINERAL ISO VG Grad: 100**

Lubxen MGO are mineral oil based gear oils having sulphur phosphorus chemistry. These oils demonstrate improved thermal stability and oxidation resistance over conventional lead-naphthenate oils. They have good demulsibility characteristics, low foaming tendency and provide rust and corrosion protection to metal surfaces.

**Performance Levels (Meets & Exceeds):•**

AGMA Standard 250.04

IS: 8406-1993

US Steel requirement No. 222 and 224

ASLE standard G-315, G-1000, G-1500, and G-2150

Cincinnati Milacron (P63, P76, P77, P74, P59, P35)



## MARINE OILS

### Performance Levels (Meets & Exceeds):

API: CF

## LUBXEN MARINE SO 630 & SO 640

**Classification:** Marine System Oil

**MINERAL SAE Grade:** SAE 30

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Lubxen Marine SO 630 and 640 are premium quality multipurpose system oils designed, primarily for low speed, crosshead marine diesel engines operating on residual fuels. They are alkaline oils giving the highest levels of protection in a wide variety of engine and shipboard applications.

## OPTIMUS TURBINE OIL

**Classification:** Turbine Oil

MINERAL ISO VG Grade: 32

Optimus Turbine Oil is a lubricant specifically designed for use in steam and gas turbine applications. Formulated with high-quality base oil and selected additives package, it offers good oxidation stability and corrosion protection along with good demulsibility, antifoaming and air release properties.

### Performance Levels (Meets & Exceeds)

• DIN 51515, part 1 (L-TD)	GEK 32568 A/C
• DIN 51515, part 2 (L-TG)	MIL-L-17672 D
• DIN 51506 (VBL, VCL, VDL)	CEGB 207001
• BS 489	Brown Boveri HTGD 90117
• ISO 8068	US STEEL 120 & 126
• Siemens TLV 9013 04/01	ISO / DP 6521 (DAA, DAB, DAH, DAG)

## OPTIMUS THERM SX2

**Classification:** PAO Based Heat Transfer Oil

SYNTHETIC ISO VG Grade: 32

Optimus Therm SX2 is a high performance product intended for service in closed-loop heat transfer systems. This fluid has been formulated from severely hydro finished PAObase fluids that are highly resistant to thermal cracking and chemical oxidation and are capable of extremely long service life.

## OPTIMUS THERM M2

**Classification:** Heat Transfer Oil

MINERAL ISO VG Grade: 32

Optimus Therm M2 is a high performance product intended for service in closed-loop heat transfer systems. This fluid has been formulated from highly refined base stocks that are highly resistant to thermal cracking and chemical oxidation and are capable of a long service life without deposit formation or viscosity increase.

## OPTIMUS TORQUE HFDU

**Classification:** Fire Resistant Hydraulic Oil

MINERAL ISO VG Grade: 46

Optimus fire resistant hydraulic fluid HFDU is an ester-base, high-performance fire resistant hydraulic fluid. It is designed for hydraulic equipment operating in locations comprising a fire risk, such as iron and steel works (coking plants, blast furnaces, continuous casting), mines, etc. This product is not toxic, and has a rapid bio-degradation property.

### Performance Levels (Meets & Exceeds)

ISO 6743/4 HFDU

ISO 12922

## OPTIMUS TORQUE HFC

**Classification:** Fire Resistant Hydraulic Oil

MINERAL ISO VG Grade: 46

Optimus fire resistant hydraulic fluid HFC is a water glycol hydraulic fluid technology with improved fire resistance while protecting equipment under severe service conditions. It is designed particularly for hydraulic systems utilising vane, gear and piston hydraulic pumps used in steel, aluminum and die-casting industries. It is a highly shear stable product offering enhanced corrosion resistance performance and seal compatibility, providing excellent pump lubrication

## **OPTIMUS SPINDLE OIL**

**Classification:** Spindle Oil

**MINERAL ISO VG Grade: 10**

Optimus Spindle Oil is low viscosity spindle bearing oil formulated from highly refined mineral oil, anti-wear agents and rust and oxidation inhibitors. Designed for the lubrication of high speed textile machines and automated machine tools. They are also used in some critical hydraulic, circulation systems where the appropriate viscosity grade is select

## **OPTIMUS CONING OIL**

**Classification:** Coning Oil

**MINERAL ISO VG Grade: 10**

Optimus Coning Oil is specially formulated anti-static and anti-splash coning oil. It is recommended for use in textile industry as finishing agent. It is highly refined, light coloured, low viscosity mineral oil, based product containing suitable emulsifier, anti-static, friction reducing and anti-splashing agents to minimize oil dosage during coning and twisting operation. Optimus Coning Oil provide excellent lubrication to filaments and reduce friction during operation.

## **OPTIMUS QUENCHING OIL**

**Classification:** Quenching Oil

**MINERAL ISO VG Grade: 46**

Optimus Quenching Oil is a highly refined, paraffinic based quenching oil for the uniform hardening of carbon and alloy steels. The low viscosity of Optimus Quenching Oil enables fast oil circulation during heat transfer, providing rapid quenching, and reduced drag-out and fast draining, minimising oil losses during operation



## OPTIMUS SLIDEWAYS OIL

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Optimus SOptimus Slideways Oil range has been specially designed to meet the demanding lubricant requirements of modern machine tool slideways. They are blended with highly refined mineral oils and contain additive to enhance its tackiness, anti-wear and stick-slip characteristics. The products provide maximum protection against wear and corrosion with excellent adhesion to the slideways even under the most difficult working conditions

### Performance Levels (Meets & Exceeds):

- DIN 51524-2 HLP
- DIN 51517-3 CLP
- CINCINNATI LAMB P-47

## OCTANE BOOSTER

**Classification:** Quenching Oil

**MINERAL ISO VG Grade: 46**

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Performance-boosting additive for all gasoline and gasoline/ethanol blended automotive fuels. It helps compensate for below average fuel quality. Octane Booster Increases RON of whatever base fuel it is added to, additional injector cleaning helps stop Octane Reduction Potential which allows for improved engine response. It is safe for turbo, oxygen sensors, and catalytic converters.

### Performance Levels (Meets & Exceeds):

- |   |                                 |
|---|---------------------------------|
| Increase RON by 3 numbers                 | Prevents injector deposits      |
| Helps reduce engine knock                 | No harmful alcohols             |
| Effective in all grades of gasoline       | No environmentally harmful dyes |
| Helps improve combustion and fuel economy | Contains MMT technology         |

Protects from corrosion

## OPTIMUS SLIDEWAYS OIL

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### Application

Recommend in use of all gas naturally aspirated engines

Gas turbo engines

Gas supercharged engines

Excellent for racing applications

## TRANSMISSION TREATMENT

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A special additive to provide extra lubrication protection to automatic transmissions. It is added to new and remaining transmission fluid left behind in the torque converter after a drain and refill service. Helps prevent deposit formation and fluid breakdown. It helps prevent transmission shudder and shifting problems and prevent transmission leaks by keeping seals soft and pliable. It helps prevent transmission failure.

### Features & Benefits:

Helps reduce wear

Helps keep transmission clean

Resists fluid oxidation and deposits

Conditions seals and O-Rings

Helps maintain proper viscosity

Compatible with most ATF types

Helps prevent oxidation and acid formation

Replaces essential additives in ATF

Contains metal conditioner

No environmentally harmful dyes

### Application:

- Recommend in use of most manual and automatic transmissions.

- Not recommended for CVT Transmissions

## **DIESEL FUEL CONDITIONER**

27

Diesel engines are extremely sensitive to the deposits that form throughout the fuel system. Engines with deposits experience reduced fuel efficiency, engine clatter, diminished performance, and other drivability issues. Diesel Fuel Conditioner modifies the combustion of diesel fuel to allow the fuel to burn more completely and leave less carbon deposits. It helps disperse moisture from fuel system, restores fuel flow and fuel economy, and reduces exhaust emissions and smooth idle.

### **Features & Benefits:**

Helps improve diesel engine performance

Helps fuel injectors run cleaner

Helps keep fuel tank, fuel lines and fuel system clean

Helps disperse moisture from fuel system

Helps improve fuel combustion

No environmentally harmful dyes

### **Application:**

Recommend in use of all diesel fuel systems

Recommended for Tier 4 Diesel Engines

## **RADIATOR STOP LEAK**

27

Radiator Stop Leak is a safe and efficient method of sealing leaks in the coolant system. It is added to coolant, it flows through leak points in the coolant system, quickly and completely plugging them. As coolant flows through the hole in the system, particles build on each other around the hole until it is completely plugged.

## **DIESEL FUEL CONDITIONER**

27

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### **Features & Benefits:**

Provides temporary leak-stop protection to radiators and cooling systems

Compatible with most types of Antifreeze

No environmentally harmful dyes

### **Application:**

Safe for use in engine systems using antifreeze

## **COOLING SYSTEM COOLER & TREATMENT**

27

A unique formulation that restores coolant to its peak level of protection. It is designed for use in conventional, long life, hybrid, heavy duty engine coolants. It helps to promote more efficient heat transfer, restores critical additive balance, proper coolant pH, and provides protection against foaming and metallic corrosion

## COOLING SYSTEM COOLER & TREATMENT

27

### Features & Benefits:

- Provides extra protection against corrosive wear of radiator and cooling system component
- Helps keep heat transfer surfaces free of deposits and scale
- Helps promote more efficient heat transfer
- Helps protect cooling system components
- Compatible with most types of Antifreeze
- Excellent for towing and racing applications
- No environmentally harmful dyes

### Application:

- Safe for use in engine systems using antifreeze

## COOLING SYSTEM CLEANER

27

Cooling System Cleaner removes built-up scale and harsh mineral deposits that have formed in the coolant system. It removes tough residues caused by coolant inhibitor breakdown. It cleans heat transfer surfaces and removes corrosion products, such as rust and scale, to restore proper cooling capacity in the system.



## COOLING SYSTEM CLEANER

27

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### Features & Benefits:

- Removes scale deposits
- Cleans heat transfer surfaces
- Helps promote more efficient heat transfer
- Helps improve coolant circulation
- Compatible with most types of Antifreeze
- No environmentally harmful dyes

### Application:

- Safe for use in engine systems using antifreeze

## OIL TREATMENT

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A premium grade lubrication booster and oil stabiliser which adds extra protection against wear and viscosity breakdown of any engine oil to which it is added. It contains powerful metal conditioner friction reducing metal conditioner, and a blend of anti-oxidant and corrosion inhibiting additives which help protect bearings from corrosion and wear. It helps extend the life of critical loaded surfaces within the engine through its exceptional lubrication performance. It helps increase engine compression and power by increasing oil viscosity. It also helps seal rings to increase compression and reduce blow-by.

### Features & Benefits:

- Helps seal rings to increase compression and reduce blow-by.
- Improves oil viscosity
- Reduces engine friction and wear
- Provides extra protection for heavily loaded engines
- Fortifies against oxidation and thermal breakdown

## COOLING SYSTEM CLEANER

27

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### Features & Benefits:

- |  |  |
|--|--|
| Removes scale deposits                     | Compatible with all types of motors oils |
| Cleans heat transfer surfaces              | Contains metal conditioner               |
| Helps promote more efficient heat transfer | Excellent for racing applications        |
| Helps improve coolant circulation          | No environmentally harmful dyes          |
| Compatible with most types of Antifreeze   |  |
| No environmentally harmful dyes            |  |

### Application:

- Safe for use in all gasoline and diesel engines
- Safe for use with all conventional motor oils
- Synthetic blend motor oils
- Full synthetic motor oils

## FUEL SYSTEM CLEANER

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A fast-acting blend of cleaners and detergents that you pour right into the gas tank to boost performance and gas mileage. It removes deposits in combustion chambers, intake manifolds, ports, and valves and restores flow in fuel injectors. With regular use, it keeps the entire fuel system clean and operating at peak performance, helping fuel to burn completely and cleanly, reducing emissions

## ENGINE STOP LEAK

27

An advanced seal conditioning additive for engine oils. It treats gaskets and seals to help stop minor seal-leaks.

### Features & Benefits:

Helps engine seal performance

Helps reduce leakage

Improves oil viscosity

Compatible with all types of motor oils

No environmentally harmful dyes

### Application

Safe for use in engine systems using antifreeze

## TRANSMISSION STOP LEAK

27

An advanced seal conditioning additive for transmissions. It treats gaskets and seals to help stop minor seal leaks.

### Features & Benefits:

Safe for use with all conventional ATF fluids

Synthetic blend transmission fluids

Full synthetic transmission fluids

Not for use in CVT transmissions

### Application

Helps transmission seal performance

Helps reduce leakage

Compatible with most ATF types

No environmentally harmful dyes



# ENGINE & TRANSMISSION SYSTEM CLEANER

27

A technologically advanced chemical carefully balanced to help clean and protect internal surfaces with a low-friction lubricating film. It removes accumulated deposits that form throughout the oil/fluid passage way system to help improve fluid circulation. Engine & Transmission System Cleaner boosts the oil/fluid’s resistance to corrosion and wear of vital parts. Lubxen metal conditioner is also added to reduce system friction and protect moving parts

**Features & Benefits:**

- Helps remove resin and sludge deposits
- Provides extra lubrication as it cleans
- Cleans and conditions seals
- Helps restore proper fluid flow
- Compatible with all types of fluids
- Contains metal conditioner
- No environmentally harmful dyes

27

**Application**

- Safe for use in all gasoline and diesel engines
- Safe for use with all conventional oils & fluids
- Synthetic blend oils & fluids
- Full synthetic oils & fluids

## POWER STEERING TREATMENT

27

Power Steering Treatment contains antioxidants, dispersants, and powerful metal conditioner to improve the power steering fluid's oxidation resistance, lubrication properties, and ability to withstand heat. It helps reduce deposits

### Features & Benefits:

Provides extra lubrication to power steering systems

Helps reduce steering pump noise

Helps resist fluid oxidation

Provides extra corrosion protection

Helps power steering system run cleaner

Compatible with all type of fluids

Contains metal conditioner

No environmentally harmful dyes

### Application

Safe for use in most power steering systems

## INTAKE AND COMBUSTION CHAMBER FLUSH

This product is designed to be introduced into the induction system with a special vacuum or high pressure fogger tool. This product cleans and removes varnish and carbon build-up in the intake and induction system. It is an excellent "top engine" formulation designed to remove carbon from the combustion chamber, resulting in improved fuel combustion, better engine performance, and better fuel economy combustion chambers.



## **INTAKE AND COMBUSTION CHAMBER FLUSH**

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This product is designed to be introduced into the induction system with a special vacuum or high pressure fogger tool. This product cleans and removes varnish and carbon build-up in the intake and induction system. It is an excellent “top engine” formulation designed to remove carbon from the combustion chamber, resulting in improved fuel combustion, better engine performance, and better fuel economy combustion chambers.

### **Features & Benefits:**

- Removes intake manifold/valve deposits
- Removes combustion chamber deposits
- Improves proper fuel/air mixture and engine performance
- Improves engine performance
- Contains NO alcohol
- Contains PEA Technology
- No environmentally harmful dyes
- Will not harm non-stick coatings

### **Application**

- Recommend in use of all gas naturally aspirated engines
- Gas turbo engines
- Gas supercharged engines
- Safe on catalytic converters

## **DIESEL FUEL COLD FLOW IMPROVER**

27

A combination of additives to improve fuel quality and fuel performance in diesel engines. Diesel Fuel Cold Flow Improver improves fuel pump ability in cold weather conditions without altering other diesel fuel properties. The paraffin wax found in certain types of diesel fuel crystallises as the temperature decreases. Wax crystals can block fuel lines and fuel filters creating drivability problems in cold weather. Diesel Fuel Cold Flow Improver modifies the wax crystal structure of diesel fuel, reducing crystal size and allowing the fuel to flow more readily in cold weather.

### **Features & Benefits:**

Anti-Gel

Inhibits growth of wax crystals

Improves pour point

Reduces the need to use kerosene dilutions for flow control

Anti-Gel protection to minus 15 Degrees F

No environmentally harmful dyes

### **Application**

Recommend in use of all diesel fuel systems

Recommended for Tier 4 Diesel Engines

## **DIESEL CETANE BOOSTER**

27

A combination of additives to improve fuel quality and fuel performance in diesel engines. Low Cetane diesel has some serious negative effects. Engines may experience hard starting, poor overall performance, high soot load, loss of power, and high emissions. These effects are amplified in cold weather. Diesel Cetane Booster raises the cetane number of diesel fuel. When added to diesel fuel, it improves fuel economy, reduces engine knock, lowers emissions, quiets engine operation, and provides easier starting at lower temperatures

## DIESEL CETANE BOOSTER

27

### Features & Benefits:

- Reduces ignition delay
- Improves diesel engine ignition
- No environmentally harmful dyes

### Application

- Recommend in use of all diesel fuel systems
- Recommended for Tier 4 Diesel Engines

## FLUSHING OIL

27

Flushing oil is formulated from solvent refined paraffinic base oils and detergent additives for use in diesel engines and petrol engines to remove debris sludge or oxidative materials. It can also be used to de sludge and clean large hydraulic systems and turbine systems.

### Features & Benefits:

- Removes deposits
- Anti-sludge and varnish resistant
- Dispersant / Detergent properties

### Application

- It has been developed for use in the flushing of automotive gasoline, diesel, and marine engines. It cleans the crankcases, cylinder walls, pistons and rings for maximum efficiency, protection and performance.

## **DIESEL SUMMER PERFORMANCE TREATMENT**

27

Diesel Summer Performance Treatment boosts diesel fuel performance by providing injector detergency, fuel economy, smoke reduction, fuel stability, and corrosion protection. Fuel treated with Diesel Summer Performance Treatment will clean up dirty injectors, and with regular use, will keep them clean. Cleaner fuel injectors function better, resulting in reduced emissions, extended maintenance intervals, and improved fuel economy. Diesel Summer Performance Treatment also contains a cetane improver, which reduces ignition delay, knock intensity, and unburned fuel.

### **Features & Benefits:**

Cleans fuel injectors

Boosts cetane number

Increases fuel economy

Reduces smoke and emissions

Lubricates fuel injectors

No environmentally harmful dyes

27

### **Application**

Recommend in use of all diesel fuel systems

Recommended for Tier 4 Diesel Engines

## **DIESEL FUEL WINTER CONDITIONER**

27

Diesel Fuel Winter Conditioner boosts diesel fuel performance by providing injector detergency, fuel economy, smoke reduction, fuel stability, and corrosion protection. Fuel treated with Diesel Fuel Winter Conditioner will clean up dirty injectors and, with regular use, will keep them clean. Cleaner fuel injectors function better, resulting in reduced emissions, extended maintenance intervals, and improved fuel economy. In addition, Diesel Fuel Winter Conditioner contains a cold flow improver, which helps diesel fuel systems perform well in very low temperatures, by modifying wax crystal formation and improving filterability.

### **Features & Benefits:**

- Cleans injectors
- Reduces cold flow
- Anti-Gel
- Reduces emissions
- Lubricates fuel injectors
- Resists Corrosion
- Lubricants fuel injectors

### **Application**

Recommend in use of all diesel fuel systems

Recommended for Tier 4 Diesel Engines



## **PREMIUM LARGE VEHICLE DIESEL FUEL CONDITIONER – SUMMER**

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Premium Large Vehicle Diesel Fuel Conditioner – Summer is a complete, premium quality diesel fuel system cleaner that cleans dirty injectors, and keeps the entire fuel system and injectors clean with regular use. Cleaner injectors improve fuel economy, reduced emissions, as well as lowering maintenance costs. Premium Large Vehicle Diesel Fuel Conditioner – Summer also modifies combustion to get a more complete burn and reduce combustion chamber deposits. In addition, Premium Large Vehicle Diesel Fuel Conditioner – Summer is an excellent lubricant for injectors, providing ample compensation for the reduction in diesel fuel Sulphur content. Premium Large Vehicle Diesel Fuel Conditioner – Summer is optimised for vehicles having larger capacity fuel tanks, with one – 12 ounce bottle treating 50 gallons of diesel fuel. It provides stabilisation to diesel fuel in storage and protects from the effects of minor amounts of water. It reduces corrosion and helps keep fuel tanks and fuel lines clean

### **Features & Benefits:**

Cleans injectors

Cleans tank and fuel system

Increases fuel economy

Lubricates fuel injectors

Treats 50 gallons of diesel fuel

No environmentally harmful dyes

Boosts cetane

### **Application**

Recommend in use of all diesel fuel systems

Recommended for Tier 4 Diesel Engines

## HIGH MILEAGE ENGINE TREATMENT

27

High Mileage Engine Treatment is a premium grade oil treatment which boosts the stability, viscosity, and film strength of the engine oil. For engines with high mileage, it is important to preserve and protect the load-bearing surfaces, and High Mileage Engine Treatment does just that. Lubxen metal conditioner boosts lubrication protection for smoother operation. Its helps increase engine compression and power by increasing oil viscosity. Its elps keep oil from oxidising, protects vital engine parts from corrosive damage, and helps seal rings to increase compression and reduce blow-by.

### **Features & Benefits:**

- Boosts engine lubrication
- Provides extra protection to partially worn surfaces
- Improves oil viscosity
- Reduces engine friction and wear
- Provides extra protection for heavily loaded engines
- Compatible with all types of motors oils
- Contains metal conditioner
- No environmentally harmful dyes

### **Application**

- Safe for use in all gasoline and diesel engines
- Safe for use with all conventional motor oils
- Synthetic blend motor oils
- Full synthetic motor oils

## **FUEL INJECTOR CLEANER**

27

A premium, low-odor detergent compound for professional fuel rail and injector cleaning using an injection tool. Fuel Injector Cleaner quickly and effectively blasts carbon deposits away from fuel injectors, combustion chambers, intake ports, and exhaust systems. Restores engine power lost due to dirty injectors and fouled combustion chambers.

### **Features & Benefits:**

Cleans fuel injectors of deposits

Cleans combustion chamber

Improves engine performance loss due to dirty injectors

Contains NO alcohol

Contains PEA Technology

No environmentally harmful dyes

### **Application**

One tank port fuel injector cleanup

Intake valve deposit cleanup

Keeps injectors clean

Keeps carburetors clean

Restores engine performance loss due to  
dirty fuel system

## **PREMIUM LARGE VEHICLE DIESEL FUEL CONDITIONER – WINTER**

Premium Large Vehicle Diesel Fuel Conditioner – Winter is a complete, premium quality diesel fuel system cleaner with a cold flow improver included. It cleans dirty injectors, and keeps the entire fuel system and injectors clean with regular use. Cleaner injectors improve fuel economy, reduced emissions as well as lowering maintenance costs. It also modifies combustion to get a more complete burn and reduce combustion chamber deposits. It is an excellent lubricant for injectors,

### **Features & Benefits:**

Cleans injectors

Cleans tank and fuel system

Anti-Gel

Boosts cetane

### **Application**

Recommend in use of all diesel fuel systems

Recommended for Tier 4 Diesel Engines

## **FUEL STABILIZER**

27

Treats up to 35 gallons of fuel. Super concentrated formula for all two and four cycle engines. Keeps stored fuel fresh. Compatible with all gasoline, fuel/oil mixtures, gasohol, oxygenated fuel, kerosene, and diesel fuels. Contains no alcohol. This diesel fuel additive complies with the federal low sulfur content requirements for use in diesel motor vehicles and non-road engines. For storage and everyday use in cars, trucks, recreational vehicles, motorcycles, snowmobiles, marine engines, lawnmowers, chain saws, snow blowers, generators, gas cans, fuel storage tanks, etc.

### **Directions for Use:**

Loosen cap and pre-measure 1 ounce of product for each

2.5 gallons of fuel to be treated. Hold bottle upright and

squeeze until the small chamber fills. After treatment, run

engine for a few minutes to allow treated fuel to flow

throughout fuel system.

## **FUEL STABILIZER**

27

### **Application**

Treats 35 Gallons!

Keeps Stored Fuels Fresh For Easier Starts

Helps Keep Entire Fuel System Clean

Removes Water To Prevent Corrosion

For All Two And Four Cycle Engines

## **ENGINE FLUSH**

27

Lubxen Engine Flush helps restore fuel economy, increase operating efficiency and reduce emissions in gasoline and diesel engines. Its powerful detergent based formula cleans sludge and deposit build-up, promoting reduced oil consumption. Lubxen Engine Flush is safe on parts and can be easily disposed of with waste oil.

### **Features & Benefits:**

Helps loosen sticky valves and rings, minimizing blow-by and reducing emissions

Promotes lower operating temperatures through sludge removal

Helps quite lifter noise

Does not attack common sealing materials

Highly economical

### **Application**

Cleaning and flushing out the oil circuits of gasoline and diesel engines. The use of Lubxen Engine Flush is dependent on the degree of contamination of the oil circuit. Not suitable for use on motorbikes with wet clutche





# LUBXEN

Oxygen For Engine