

## *Product Data Sheets*



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LONG LIFE MARINE OIL



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MADE  
IN  
TÜRKİYE

## Dewmare Marine Oil 3008/4008

### High Performance Marine Lubricants



#### Meets Requirements:

API CF

**Storage :** Packages located in open areas should be protected from sunlight and rain.

#### Package Types :

208 LT (202 LT) / 1000 LT IBC

**Note:** These results are typical values depending on the productions.



**Product Description:** DEWMARE MARINE OIL 3008/4008/5008 are high-performance, diesel engine oils that, are developed for low-speed 'crosshead' type and medium-speed trunk piston marine engine that are operating in maritime and industrial fields. These engine oils neutralize acidic combustion products with their high total base number and strong detergent feature and facilitate the removal of water in the separator.

**Features and Benefits:** Offers superior resistance against heat, oxidation, and rust. Cleans the engine with its superior detergent dispersant feature. With its high TBN value, it neutralizes the acidic combustion products formed by the combustion of high sulfur in the fuel and helps them to be removed from the engine.

**Applications :** Should be used as a cylinder oil in the crankcases of mid-cycle trunk piston marine diesel engines and 'crosshead' type engines using diesel fuels that are in ships and industrial areas.

TECHNICAL CHARACTERISTICS	METHOD	3008	4008
GRADE		30	40
DENSITY 15 °C, g/cm <sup>3</sup>	ASTM D 4052	0,89	0,89
VISCOSITY 100 °C, cSt	ASTM D 445	9,3 - 12,5	12,5 - 16,3
VISCOSITY INDEX	ASTM D 2270	100	100
POUR POINT °C MAX	ASTM D 97	-21	-21
FLASH POINT ° C	ASTM D 92	230	240
TOTAL BASE NUMBER mgKOH/g	ASTM D 2896	8	8



# Dewmare Marine Oil 3012/4012

## High Performance Marine Lubricants

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**Product Description:** DEWMARE MARINE OIL 3012/4012 are high-performance diesel engine oils with a high total base number (TBN=15) , developed for medium and high-speed trunk piston marine diesel engines using distilled and high sulfur diesel fuel that operates in maritime and industrial areas.

**Features and Benefits:** Offers superior resistance against heat, oxidation, and rust. Cleans the engine with its superior detergent dispersant feature. With its high TBN value, it neutralizes the acidic combustion products formed by the combustion of high sulfur in the fuel and helps them to be removed from the engine.

**Applications :** Should be used as a cylinder oil in the crankcases of mid-cycle trunk piston marine diesel engines and 'crosshead' type engines using diesel fuels that are in ships and industrial areas.

TECHNICAL CHARACTERISTICS	METHOD	3012	4012
GRADE		30	40
DENSITY 15 °C, g/cm <sup>3</sup>	ASTM D 4052	0,89	0,89
VISCOSITY 100 °C, cSt	ASTM D 445	9,3 - 12,5	12,5 - 16,3
VISCOSITY INDEX	ASTM D 2270	100	100
POUR POINT °C MAX	ASTM D 97	-18	-18
FLASH POINT ° C	ASTM D 92	230	240
TOTAL BASE NUMBER mgKOH/g	ASTM D 2896	12	12

### Meets Requirements:

API CF

**Storage :** Packages located in open areas should be protected from sunlight and rain.

### Package Types :

208 LT (202 LT) / 1000 LT IBC

**Note:** These results are typical values depending on the productions.



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## Dewmare Marine Oil 3030/4030

### High Performance Marine Lubricants



#### Meets Requirements:

API CF

**Storage :** Packages located in open areas should be protected from sunlight and rain.

#### Package Types :

208 LT (202 LT) / 1000 LT IBC

**Note:** These results are typical values depending on the productions.



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**Product Description:** DEWMARE MARINE OIL 3030/4030 are high-performance diesel engine oils with a high total base number (TBN=30), developed for diesel engines using medium or high sulphureous heavy fuels in maritime and industrial fields. In diesel engines that uses high sulfur fuels, strong acidic combustion residuals are formed as a result of combustion. These engine oils neutralize acidic combustion products with their high total base number and strong detergent feature and facilitate the removal of water in the separator.

**Features and Benefits:** Offers superior resistance against heat, oxidation, and rust. Cleans the engine with its superior detergent dispersant feature. With its high TBN value, it neutralizes the acidic combustion products formed by the combustion of high sulfur in the fuel and helps them to be removed from the engine.

**Applications :** Should be used in all kinds of trunk piston crankcases of diesel engines using medium or high sulphureous fuels in ships and industrial areas.

TECHNICAL CHARACTERISTICS	METHOD	3030	4030
GRADE		30	40
DENSITY 15 °C, g/cm <sup>3</sup>	ASTM D 4052	0,90	0,90
VISCOSITY 100 °C, cSt	ASTM D 445	9,3 - 12,5	12,5 - 16,3
VISCOSITY INDEX	ASTM D 2270	100	100
POUR POINT °C MAX	ASTM D 97	-18	-18
FLASH POINT ° C	ASTM D 92	230	240
TOTAL BASE NUMBER mgKOH/g	ASTM D 2896	30	30





# Dewmare Marine Oil 4040

## High Performance Marine Lubricants

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### Meets Requirements:

API CF

**Storage :** Packages located in open areas should be protected from sunlight and rain.

### Package Types :

208 LT (202 LT) / 1000 LT IBC

**Note:** It contains high ash due to its high TBN number (40), therefore, it is not recommended to be used in diesel engines that uses low sulphureous fuels.



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**Product Description:** DEWMARE MARINE OIL 4040 is a high-performance diesel engine oil with an extra high total base number (TBN=40), developed for diesel engines using high sulphureous heavy fuels in maritime and industrial fields. In diesel engines that uses high sulfur fuels, strong acidic combustion residuals are formed as a result of combustion. This engine oil neutralizes acidic combustion products with their high total base number and strong detergent feature and facilitates the removal of water in the separator.

**Features and Benefits:** Offers superior resistance against heat, oxidation, and rust. Cleans the engine with its superior detergent dispersant feature. With its high TBN value, it neutralizes the acidic combustion products formed by the combustion of high sulfur in the fuel and helps them to be removed from the engine.

**Applications :** Should be used in all kinds of trunk piston crankcases of diesel engines using medium or high sulphureous fuels in ships and industrial areas.

TECHNICAL CHARACTERISTICS	METHOD	4040
GRADE		40
DENSITY 15 °C, g/cm <sup>3</sup>	ASTM D 4052	0,91
VISCOSITY 100 °C, cSt	ASTM D 445	12,5 - 16,3
VISCOSITY INDEX	ASTM D 2270	100
POUR POINT °C MAX	ASTM D 97	-18
FLASH POINT ° C	ASTM D 92	240
TOTAL BASE NUMBER mgKOH/g	ASTM D 2896	40



# Dewmare Marine Oil 5070

## High Performance Marine Lubricants

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### Meets Requirements:

API CF

**Storage :** Packages located in open areas should be protected from sunlight and rain.

### Package Types :

208 LT (202 LT) / 1000 LT IBC

**Note:** It contains high ash due to its high TBN number (70), therefore, it is not recommended to be used in diesel engines that uses low sulphureous fuels.



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**Product Description:** DEWMARE MARINE OIL 5070 is a high-performance diesel engine oil with an extra high total base number (TBN=70), developed for use as cylinder oil in crosshead type diesel engines that uses very high sulphureous heavy fuels in maritime and industrial areas. This product prevents maximum stickiness and corrosive wear at high temperatures and pressures in cylinder lubrication of 'crosshead' type modern diesel engines. In diesel engines that uses high sulfur fuels, strong acidic combustion residuals are formed as a result of combustion. This engine oil neutralizes acidic combustion products with their high total base number and strong detergent feature and facilitates the removal of water in the separator.

**Features and Benefits:** Offers superior resistance against heat, oxidation, and rust. Cleans the engine with its superior detergent dispersant feature. With its high TBN value, it neutralizes the acidic combustion products formed by the combustion of high sulfur in the fuel and helps them to be removed from the engine.

**Applications :** Should be used in all kinds of trunk piston crankcases of diesel engines using medium or high sulphureous fuels in ships and industrial areas.

TECHNICAL CHARACTERISTICS	METHOD	5070
GRADE		50
DENSITY 15 °C, g/cm <sup>3</sup>	ASTM D 4052	0,93
VISCOSITY 100 °C, cSt	ASTM D 445	16,3 - 21,9
VISCOSITY INDEX	ASTM D 2270	100
POUR POINT °C MAX	ASTM D 97	-12
FLASH POINT ° C	ASTM D 92	250
TOTAL BASE NUMBER mgKOH/g	ASTM D 2896	70



## Dewmare Marine Oil 5025/5040

### High Performance Marine Lubricants



#### Meets Requirements:

API CF

**Storage :** Packages located in open areas should be protected from sunlight and rain.

#### Package Types :

208 LT (202 LT) / 1000 LT IBC

**Note:** It contains high ash due to its high TBN number (70), therefore, it is not recommended to be used in diesel engines that uses low sulphureous fuels.



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**Product Description:** DEW Marine Oil 5025 and 5040 is blended by high-quality base oil and high performance additives. Formulation has been specifically developed for sulfur emission control area.

**Features and Benefits:** This formulation boasts exceptional viscosity-temperature management which ensures compatibility with latest generation engines performing at higher pressure and temperatures. It curtails friction and wear off to lengthen engine life through enhanced lubricity and superior anti-wear performance. Its exceptional detergency and dispersancy resists the formation of carbon deposits on cylinder ring groove as well as cylinder liner, guaranteeing the cleanliness of engine combustion chamber. It is specifically formulated to diminish liner and ring wear off through superior diffusivity performance which ensures the prompt formation of oil films over the cylinder surface through quick propulsion and dispersion of oil.

**Applications :** DEW Marine Cylinder Oil 5025 and 5040 is suitable for use in Marine low speed two stroke crosshead diesel engine cylinders using fuel oil with sulfur content less than 0.5% including new type fuels.

TECHNICAL CHARACTERISTICS	METHOD	5025	5040
GRADE		50	50
DENSITY 15 °C, g/cm <sup>3</sup>	ASTM D 4052	0,90	0,91
VISCOSITY 100 °C, cSt	ASTM D 445	16,3 - 21,9	16,3 - 21,9
VISCOSITY INDEX	ASTM D 2270	100	100
POUR POINT °C MAX	ASTM D 97	-12	-12
FLASH POINT ° C	ASTM D 92	250	250
TOTAL BASE NUMBER mgKOH/g	ASTM D 2896	25	40





# Hydro Roller C Serie

## Hydraulic Lubricants

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**Product Description:** Hydro Roller C Serie are extra high performance, industrial hydraulic oils designed to meet the requirements of modern hydraulic units operating at high pressures and temperatures.

**Features and Benefits:** They are developed with advanced additives that prevent rust, oxidation, and foam. Its water separation feature (demulsibility) is outstanding. With its high viscosity index, it provides smooth operation in sensitive systems.

**Applications :** It is recommended to be used in industrial hydraulic equipment and work machines. It should be used according to the appropriate viscosity value, especially in hydraulic units operating in high pressure and temperature conditions and in equipment that is called sensitive hydraulic systems which require pressure/temperature precision.

CHEMICAL PROPERTIES	METOT/METHOD				
Viscosity Classification	ISO 3448	32	46	68	100
Density 15°C, gr/cm <sup>3</sup>	ASTM D 4052	0.88	0.88	0.88	0.89
Viscosity 100 °C , cSt	ASTM D 445	28,8 - 35.6	41,4 - 50.6	61,2 - 74.8	90,0 - 110.0
Viscosity Index	ASTM D 2270	Min. 130	Min. 130	Min. 130	Min. 130
Pour Point °C	ASTM D 97	Maks. -33	Maks. -30	Maks. -30	Maks. -27
Flash Point °C	ASTM D 92	Min. 200	Min. 200	Min. 200	Min. 200

### Meets Requirements:

DIN 51524 part III (HVL P), ISO 11158 HV, ASTM D6158, SAE MS 1004, DENISON HF-0/HF-1/HF-2, FIVES CINCINNATI P-68/ P-69/ P-70, VICKERS I-286 S-3, VICKER M-2950-S, AFNOR NF E 48-603

**Storage :** Packages located in open areas should be protected from sunlight and rain.

### Package Types :

17 LT / 180 KG (202 - 206 LT) / 1000 LT IBC



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# GOS Syntech 75W80

## Automotive Manuel Trans. And Gear Lubricants

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### Meets Requirements:

API GL-5 /GL-4+ /GL-4

**Storage :** Packages located in open areas should be protected from sunlight and rain.

### Package Types :

20 LT



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**Product Description:** GOS Syntech 75W80 is a high-tech, fully synthetic, manual transmission and differential oil.

**Features and Benefits:** It offers outstanding pumpability with keeping its excellent fluidity at low temperatures. It provides excellent protection of parts due to its superior anti-wear feature and performance against extreme pressure. This product ensures excellent transmission cleaning with its thermal stability and resistance to oxidation. It provides protection against oxidation and deposit formation. Also, it ensures the smooth operation of the systems while preventing rust and foam formation.

**Applications :** It is recommended to be used in the manual transmission and differentials of automobiles and heavy vehicles in the recommended condition according to the SAE (75w80 or 75w90) classification and performance level.

CHEMICAL PROPERTIES	METHOD	
SAE J 300 Classification		75W80
Color	VISUAL	Amber
Density 15°C, gr/cm <sup>3</sup>	ASTM D 4052	0,85 - 0,86
Viscosity 100 ° C , cSt	ASTM D 445	7,0 - 11,0
Viscosity Index	ASTM D 2270	Min. 140
Pour Point ° C	ASTM D 97	Maks. -39
Flash Point ° C	ASTM D 92	Min. 210



# GOS Syntech 75W90

## Automotive Manuel Trans. And Gear Lubricants

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LONG LIFE MARINE OIL



### Meets Requirements:

API GL-5 /GL-4+/GL-4

**Storage :** Packages located in open areas should be protected from sunlight and rain.

### Package Types :

20 LT



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**Product Description:** GOS Syntech 75W90 is a high-tech, fully synthetic, manual transmission and differential oil.

**Features and Benefits:** It offers outstanding pumpability with keeping its excellent fluidity at low temperatures. It provides excellent protection of parts due to its superior anti-wear feature and performance against extreme pressure. This product ensures excellent transmission cleaning with its thermal stability and resistance to oxidation. It provides protection against oxidation and deposit formation. Also, it ensures the smooth operation of the systems while preventing rust and foam formation.

**Applications :** It is recommended to be used on the front and rear axles in the manual transmission and differentials of heavy vehicles under the recommended condition.

Note: Do not use in locked/ limited slip differentials.

CHEMICAL PROPERTIES	METHOD	
SAE J 300 Classification		75W90
Color	VISUAL	Amber
Density 15°C, gr/cm <sup>3</sup>	ASTM D 4052	0,85 - 0,86
Viscosity 100 ° C, cSt	ASTM D 445	13,5 - 18,5
Viscosity Index	ASTM D 2270	Min. 140
Pour Point ° C	ASTM D 97	Maks. -39
Flash Point ° C	ASTM D 92	Min. 210



# BOX CS Serie

## Industrial Enclosed Gear Lubricants



### Meets Requirements:

USS 224, David Brown S1.53.101 ( E ), AGMA 9005 - E02, DIN 51517 Part 3 CLP

**Storage :** Packages located in open areas should be protected from sunlight and rain.

### Package Types :

15 KG TNK / 180 KG (200-204 LT)



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LONG LIFE MARINE OIL

**Product Description:** BOX CS Serie are fully synthetic, closed system gear oils developed for industrial purposes that have excellent excess-pressure (EP/AW) performance.

**Features and Benefits:** They are extra high-performance oils which offer several times more of a longer life than mineral-based gear oils. It has a high resistance to excess pressure (EP). Its synthetic basis (PAO-polyalphaolefin) offers excellent thermal resistance, in other words, it is resistant to oxidation. This series is resistant to wear and friction scratches on the gears and its micro pitting feature is excellent.

**Applications :** It is recommended to be used in the plastic industry (extruder gearboxes) where gear protection and extra-long life and high performance oils are required and in the elevator industry, gearboxes operating under heavy load and pressure and all enclosed plain or bearing gearboxes.

CHEMICAL PROPERTIES	METHOD					
ISO Viscosity Classification	ISO 3448	68	100	150	220	320
AGMA NO Number Classification	AGMA 9005	2 EP	3 EP	4 EP	5 EP	6 EP
Density 15°C, gr/cm <sup>3</sup>	ASTM D 4052	0.88	0.89	0.89	0.9	0.9
Viscosity 40 °C , cSt	ASTM D 445	61,2 - 74,8	90,0-110,0	135,0-165,0	198,0-242,0	288,0-352,0
Viscosity Index	ASTM D 2270	Min. 90	Min. 90	Min. 90	Min. 90	Min. 90
Pour Point °C	ASTM D 97	Maks. -24	Maks. -21	Maks. -21	Maks. -21	Maks. -15
Flash Point °C	ASTM D 92	Min. 200	Min. 200	Min. 200	Min. 200	Min. 200





# Syntech CS Serie

## Industrial Enclosed Gear Lubricants

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LONG LIFE MARINE OIL



### Meets Requirements:

DIN 51517 Part 3, AIST 224, AGMA 9005 – 02, SEB 181226, FLENDER AG, Metal surface abrasion test, method FVA 54/7. ISO 12925-1 Type CKD meets the requirements (150,220,320). ISO 12925-1 Type CKT meets the requirements (150,220).

**Extra Usage:** Flender SIEMENS AG, T7300, Tablo A-C, Flender kodu No., Hansen Transmissions, Lohmann & Stofferfoht

**Storage :** Packages located in open areas should be protected from sunlight and rain.

**Package Types :** 20 LT / 180 KG (210 LT)



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**Product Description:** Syntech CS Serie are fully synthetic, closed system gear oils developed for industrial purposes that are polyalphaolefin based.

**Features and Benefits:** They are extra high-performance oils which offer several times more of a longer life than mineral-based gear oils. It has a high resistance to excess pressure (EP). Its synthetic basis (PAO-polyalphaolefin) offers excellent thermal resistance, in other words, it is resistant to oxidation. This series is resistant to wear and friction scratches on the gears and its micro pitting feature is excellent.

**Applications :** It is recommended to be used in the plastic industry (extruder gearboxes) where gear protection and extra-long life and high performance oils are required and in the elevator industry, gearboxes operating under heavy load and pressure and all enclosed plain or bearing gearboxes.

CHEMICAL PROPERTIES	METOT/METHOD	220	320
AGMA No		5 EP	6 EP
Density 15°C, gr/cm <sup>3</sup>	ASTM D 4052	0.855	0.86
Viscosity 40 °C, cSt	ASTM D 445	198 - 242	288 - 352
Viscosity Index	ASTM D 2270	Min. 150	Min. 150
Pour Point °C	ASTM D 97	Maks. -48	Maks. -45
Flash Point °C	ASTM D 92	Min. 230	Min. 233
FZG Gear Scuffing Test A/8.3/90	ISO 14635-1	>13	>13
TOST /hr (Oxidation Test)	ASTM D 943	>10000	>10000
Foaming ml	ASTM D 892	1.0/0 11.20/0	1.0/0 11.20/0



## Turbine Oil Serie

### Industrial Enclosed Gear Lubricants



**Product Description:** Turbine Oil Serie are mineral based, high performance turbine and circulation lubricants.

**Features and Benefits:** This series is resistant to oxidation, rust and corrosion. It is also resistant to deposit and soot formation. It prevents wear and cavitation.

**Applications :** It is recommended for use in gas, steam and hydraulic turbines, air compressors, vacuum pumps, lubrication of rolling and plain bearings.

CHEMICAL PROPERTIES	METHOD				
ISO Viscosity Classification	ISO 3448	32	46	68	100
Density 15°C, gr/cm <sup>3</sup>	ASTM D 4052	0.88	0.88	0.89	0.89
Viscosity 40 ° C , cSt	ASTM D 445	28,8 - 35.6	40,4 - 50.6	61,2 - 74.8	90,0 - 110.0
Viscosity Index	ASTM D 2270	Min. 95	Min. 95	Min. 95	Min. 95
Pour Point ° C	ASTM D 97	Maks. -27	Maks. -27	Maks. -24	Maks. -24
Flash Point ° C	ASTM D 92	Min. 210	Min. 210	Min. 220	Min. 230

**Meets Requirements:**

DIN 51515 P.1(L-TD), DIN 51515-2(L-TG), BS 489

**Storage :** Packages located in open areas should be protected from sunlight and rain.

**Package Types :**

16 LT / 180 KG (205 LT) / 880 KG IBC



# Compressor Oil Serie

## Industrial Enclosed Gear Lubricants

**dew**<sup>®</sup>  
LONG LIFE MARINE OIL



### Meets Requirements:

DIN 51506 VDL, ISO 6743-3A-DAJ/DAH/DAG

**Storage :** Packages located in open areas should be protected from sunlight and rain.

### Package Types :

16 KG / 180 KG (205 LT)



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**Product Description:** DEW Compressor Oil Serie are high quality mineral based air compressor oil.

Excellent thermal stability, low pour point and perfect protection of critical parts of compressors due to high FZG performance (high scruff load capacity).

**Features and Benefits:** Strong formulation boosts lubricant service life and advances efficiency for machinery. Enhances the performance and preservation of the compressor, lessening the frequency of upkeep and curtailing downtime. Ensures dependable operation in acute pressure applications, providing lengthened compressor service life. Formulated to resist deposit formation to ensure minimal risk of fire and explosion. Provides protection against oxidation and corrosion in systems.

**Applications :** DEW Compressor Oil EP VDL are most suitable for stationary and portable compressors, including those with oil lubricated pressure space, both single and multistage reciprocating compressors or single and multistage centrifugal compressors. The EP VDL 32 and EP VDL 46 grades are formulated for maximum comparibility in oil-flooded screw compressors and centrifugal compressors.

CHEMICAL PROPERTIES	METHOD				
ISO Viscosity Classification	ISO 3448	32	46	68	100
Density 15°C, gr/cm <sup>3</sup>	ASTM D 4052	0.84	0.84	0.84	0.85
Viscosity 40 ° C, cSt	ASTM D 445	28,8 - 35.6	41,4 - 50.6	61,2 - 74.8	90,0 - 110.0
Viscosity Index	ASTM D 2270	Min. 140	Min. 140	Min. 140	Min. 140
Pour Point ° C	ASTM D 97	Maks. -45	Maks. -45	Maks. -45	Maks. -45
Flash Point ° C	ASTM D 92	Min. 230	Min. 230	Min. 230	Min. 230



# Syntech Compressor Fluid Serie

## Industrial Enclosed Gear Lubricants



### Meets Requirements:

CM (MAG) P-47(68)/ P -50 (220) , SKC DEMULSIBILITY TEST

**Storage :** Packages located in open areas should be protected from sunlight and rain.

### Package Types :

20 LT / 175 KG (202 LT)



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**Product Description:** Syntech Compressor Fluid Serie are fully synthetic air compressor oils that are produced with polyalphaolefin (PAO) based base oils and specially selected ashless performance additives.

**Features and Benefits:** They are fully synthetic products; mineral base oils etc. are not included. Its synthetic nature and special performance additives, helps to provide extra performance during high temperatures and pressures and ensures the oil change period to be over 10000 hours. In other words, its oil maintenance periods are approximately 3-4 times longer than mineral-based compressor oils. Its synthetic nature helps to provide a resistance against deposit type contaminations caused by chemical and/or thermal oxidation and blackening. The outstanding anti-wear feature of the product helps to protect the parts in the systems and extends the life span of the equipment. It has excellent water, moisture, and air separation properties and also, protects equipment parts against corrosion and cavitation.

**Applications :** It has been developed to operate in single or two-stage screw, rotary vane air compressors where the temperature is 100 Celsius degrees or above and the pressure is above 20 bar. It is recommended for electric generators and turbocharges of marine diesel engines operating at low/medium speeds. It can also be used in oil circulation systems, hydraulic systems and non-EP industrial gear systems that are operating under heavy and difficult conditions where high performance is required.

CHEMICAL PROPERTIES	METHOD			
ISO Viscosity Classification	ISO 3448	32	46	68
Density 15°C, gr/cm <sup>3</sup>	ASTM D 4052	0.84	0.84	0.84
Viscosity 40 ° C , cSt	ASTM D 445	28,8 - 35.6	40,4 - 50.6	61,2 - 74.8
Viscosity Index	ASTM D 2270	Min. 140	Min. 140	Min. 140
Pour Point ° C	ASTM D 97	Maks. -45	Maks. -45	Maks. -45
Flash Point ° C	ASTM D 92	Min. 230	Min. 230	Min. 230

# EXTENDER LS 10W40 ACEA E6 / E7

## Passenger, Light and Heavy Commercial Vehicles Engine Lubricants



### Meets Requirements:

ACEA E6 /E7/ E4, Renault RVI RXD/RGD RLD-2, MB 228.51/228.50, MAN M3477/3277, Scania Low Ash, Volvo VDS-3, MACK EO-N

**Storage :** Packages located in open areas should be protected from sunlight and rain.

### Package Types :

20 LT / 180 KG (208 LT)



**Product Description:** EXTENDER LS 10W40 is a synthetic, low SAPS heavy duty diesel engine lubricant.

**Features and Benefits:** It is produced with new-generation technology additives.

This product has outstanding fluidity and pumpability features during low temperatures due to its synthetic nature. In comparison to conventional oils, this product has a much higher viscosity index and high thermal stability and has a high resistance to engine tear. It is resistant to engine wear due to its new-generation additive technology. It lasts extra long.

**Applications :** It is recommended for new generation EURO -5/6 heavy diesel engine trucks, construction machines, buses and similar vehicles with low ash level and emission reduction systems like DPF/SCR/DOC/CRT/EGR.

CHEMICAL PROPERTIES	METHOD	
SAE J 300 Classification		10W40
Color	VISUAL	Amber
Density 15°C, gr/cm <sup>3</sup>	ASTM D 4052	0,86 - 0,87
Viscosity 100 ° C, cSt	ASTM D 445	12,5 - 16,3
Viscosity Index	ASTM D 2270	Min. 150
Pour Point ° C	ASTM D 97	Maks. -39
Flash Point ° C	ASTM D 92	Min. 210



# NOUS 15W40 T1 API CF-4 / SJ

*Passenger, Light and Heavy Commercial Vehicles Engine Lubricants*



## Meets Requirements:

API CF - 4 / SJ , ACEA E2, MB 228.1/227.1, MAN 270, MIL-L2104 D

**Storage :** Packages located in open areas should be protected from sunlight and rain.

## Package Types :

18 LT / 180 KG (204 LT)



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**Product Description:** NOUS 15W40 T1 is a diesel and gasoline, high performance engine oil that complies with API CI-4/SJ performance level, suitable all-seasons.

**Features and Benefits:** It is developed especially for gasoline engines for high performance and lubrication. This product resists engine wear and ensures a longer engine life. It provides a high degree of protection for the engine and has a great lubricating feature. It, also, minimizes soot/deposits in the crankcase when changing the oil.

**Applications :** It is recommended for gasoline engines where API CF-4/SJ performance level is required and in vehicles with turbocharged heavy-duty diesel engines. It is especially suitable for high mileage and old model gasoline automobiles and heavy-duty diesel engines to reduce oil loss. It is not recommended for new generation EURO 4 and following models with diesel or gasoline engines.

CHEMICAL PROPERTIES	METHOD	
SAE J 300 Classification		15W40
Color	VISUAL	Amber
Density 15°C, gr/cm <sup>3</sup>	ASTM D 4052	0,88 - 0,89
Viscosity 100 ° C, cSt	ASTM D 445	12,5 - 16,3
Viscosity Index	ASTM D 2270	Min. 130
Pour Point ° C	ASTM D 97	Maks. -27
Flash Point ° C	ASTM D 92	Min. 210





## NOUS 15W40 T2 API CI-4 / SL

### Passenger, Light and Heavy Commercial Vehicles Engine Lubricants



#### Meets Requirements:

API CI-4/CH-4/SL ACEA E7/E5/E3/E2, MB 228.3, MAN M3275, Mack EO – M PLUS, MTU Type 2  
Volvo VDS-3 /VDS2, Renault RLD/RLD-2, Cummins 20078 / 20077 / 20076, CAT ECF-2

**Storage :** Packages located in open areas should be protected from sunlight and rain.

#### Package Types :

18 LT / 180 KG (204 LT) / 1000 LT IBC



**Product Description:** NOUS 15W40 T2 is a synthetic diesel engine oil that is formulated with high technology additives and high-performance base oils to meet API CI-4/SL performance level.

**Features and Benefits:** It is developed especially for diesel engines for high performance and lubrication. It doesn't change its form according to different weathers; therefore, its outstanding lubricating feature stays the same even when seasons change. This product prevents engine wear and ensures a longer engine life. It has outstanding fluidity and pumpability features even during low temperatures. It, also, minimizes soot/deposits in the crankcase when changing the oil.

**Applications :** It is recommended for naturally aspirated turbocharged/non-turbocharged diesel engines like light commercial or heavy-duty trucks, buses, construction machines, diesel generators etc. It is also recommended for use in old heavy-duty diesel engines.

CHEMICAL PROPERTIES	METHOD	
SAE J 300 Classification		15W40
Color	VISUAL	Amber
Density 15°C, gr/cm <sup>3</sup>	ASTM D 4052	0,88 - 0,89
Viscosity 100 ° C, cSt	ASTM D 445	12,5 - 16,3
Viscosity Index	ASTM D 2270	Min. 135
Pour Point ° C	ASTM D 97	Maks. -27
Flash Point ° C	ASTM D 92	Min. 220



# Container/trailer loading dimensions

**dew**<sup>®</sup>  
LONG LIFE MARINE OIL



**16 LT - 18 LT**  
80 PCS TIN PACKING



**16 x 1 LT**  
56 PCS CARD BOX



**6 x 3 LT**  
48 PCS CARD BOX



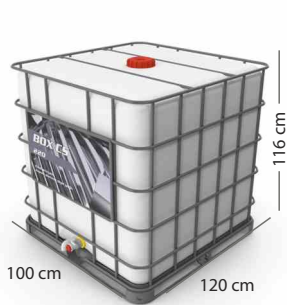
**4 x 4 LT**  
60 PCS CARD BOX



**4 x 5 LT**  
48 PCS CARD BOX



**3 x 7 LT**  
40 PCS CARD BOX



**1000 LT**  
1 PCS IBCPACKING



**180 LT**  
4 PCS BARREL PACKING

