

GENUINE ENGINE FLUIDS

**OILS AND COOLANTS
BY FPT CUSTOMER SERVICE**

FPT Engine Fluids

Our customers rely on the performance and quality of their equipments. For this reason, after designing your engines we have developed the best solution to take care of them.

The new FPT engine fluids product line is developed to ensure the highest engine performance under all working conditions. By using the right lubricants, improved performance and protection are guaranteed for all our engines.

The original FPT fluids are a new winning formula that meets the most advanced technological requirements. The main advantages offered by their use are quality and long life as well as high reliability and reduced operating costs.

Maximizing uptime and fuel efficiency of your equipment is the core of our Business.



The new era of Engine Fluids

Our new line of oils and coolants is **developed and optimized to satisfy the requirements of FPT engines** in all applications and environmental settings.

The New FPT lubricants range is designed to:

- Cover all specific missions among a various portfolio offer
- Maximize protection and performance
- Extend durability and service life
- Reduce fuel and oil consumption for a better protection of the environment
- Protect from wear and tear

Genuine fluids have been formulated, **tested and approved by FPT Industrial engineers under severe laboratory conditions**. Extreme load tests were carried out on bench and in field to validate more extended oil change intervals and service hours features.

The oil change and maintenance intervals declared by FPT are assured only by the use of genuine fluids. With other products, the same intervals and performances are not guaranteed.

***MINIMUM DOWNTIME
HIGHEST PERFORMANCE***



Maximize your performance with our lubricant

Maximum performance and minimal downtime of your equipment are offered by FPT lubricants, the perfect solution to guarantee:

Protection against deposit formation

Today's high-output heavy-duty diesel engines run at higher temperatures, which can make component cleanliness a challenge. Dirt in the engine can reduce operating efficiency and increase fuel costs. An higher-quality engine oil actively works to remove deposits, helping keep the engine clean and protected.

Wear protection

This is particularly critical at high-pressure contact points, such as the valve train. An engine oil with adaptive molecules helps protect the engine by reacting under heat and pressure forming a protective film between key components and thus reducing wear.

Corrosion protection

Gases and acids generated as a natural by-product in the combustion process, can cause corrosion of vital components, increasing the risk of engine failure. The lubricant helps neutralize these acids through oxidation and acid control.

Fuel economy

Low-viscosity heavy duty diesel engine oils need to deliver the same wear protection and oil life as their thicker counterparts to afford greater fuel economy without compromising wear protection or oil life.

Long oil life

Oxidation, soot accumulation, oil thickening, and acid build-up: all contribute to the lubricant aging. High-quality synthetic engine oils made of the right base oil and additive technology – including antioxidant additives – can preserve performance characteristics longer in the presence of contaminants and by-products.

Technical Characteristics

PROPERTY	METHOD	<i>PREMIUM PLUS 5W-30</i>	<i>PREMIUM 15W-40</i>	<i>15W-40</i>
Kinematic Viscosity @ 40°C cSt	ASTM D445	75	115	109
Kinematic Viscosity @ 100°C cSt	ASTM D445	12,1	15,3	14,7
Dynamic Viscosity @ -30°C mPa s	ASTM D5293	6200	6290	6700
Viscosity Index	ASTM D2270	159	139	139
Total Base Number mg KOH/g	ASTM D2896	11	10	10,5
Sulfated Ash %	ASTM D874	1,0	1,0	1,5
Density @15°C kg/m ³	ASTM D4052	845	876	888
Flash Point °C	ASTM D92	239	236	230
Pour Point °C	ASTM D97	-48	-35	-36

Premium Plus HD On-Road Engine Oil 5W-30

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Premium Off-Road Engine Oil 15W-40

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Off-Road & Marine Engine Oil 15W-40

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Premium Plus HD On-Road Engine Oil 5W-30



Description

Premium Plus On-Road HD 5W-30 is a low SAPs engine oil designed to provide enhanced fuel economy without compromising durability. This fully synthetic oil provides long oil drain performance coupled with enhanced protection against wear and deposits. Maintenance & Fuel efficiency are always maximized.

Application







- On-Road medium & heavy duty diesel GBVI & Natural Gas engines
- NEF & Cursor diesel and CNG EuVI as premium choice
- C11 & C13 Diesel EuVI as standard choice

Product benefits

- Provides enhanced fuel economy capability compared to high viscosity oils without compromising engine protection.
- Formulated specifically to inhibit deposits and wear with superior soot control.
- Longer oil drain capability, especially on low emission engines.
- Reduces maintenance costs and downtime.
- Reduces acidic levels leads to corrosion, making your engines more durable and longer life.
- Superior low-temperature fluidity reduces engine start-up wear in extreme cold weather conditions.
- Outstanding protection for emission after-treatment systems such as DPF and DOC with low ash additive system.
- Approved against FPT specification FPI9.LUBR001-TLS E6, FPI9.LUBR003-TLS E6 as well as API CK-4 and ACEA E6.

Change Intervals

		 MEDIUM TRUCK	 URBAN BUS	 EXTRA URBAN BUS	 HEAVY TRUCKS
NEF	Euro VI	80.000 km / 18 m	40.000 km / 24 m / 2000 h	80.000km / 24 m / 2000 h	
NEF NG	Euro V Euro VI	30.000 km / 12 m / 2000 h	30.000 km / 12 m / 2000 h		
CURSOR	Euro VI		60.000 km / 24m / 3500h	120.000 km / 24 m / 3000 h	150.000 km / 18 m
CURSOR NG	Euro VI		60.000 km / 12 m / 2000 h		90.000 km / 12 m

The values shown are for reference and indicate the maximum ranges that can be reached in each application. We invite you to use the Oil Configurator or the official FPT documentation to identify the precise data referring to your engine.

FPT Industrial will not monitor or approve any fluid-specific drain interval other than its own fluid.



Oil Configurator

On-Road HD Engine Oil 15W-40



Description

On-Road HD 15W-40 engine oil is designed to improve engine and oil durability. It reduces maintenance and increases reliability of FPT engines. High SAPs heavy duty engine oil meets up to Euro IV & V standards and improves protection and durability.

Application






- On-Road medium & heavy duty applications
- All FPT Euro 5 and EuV engines as well as previous generation engines

Product benefits

- Reduces the accumulation of acids and chemical corrosion of engine bearings.
- Provides high levels of protection against engine wear in the valve train, piston rings, and cylinder liners.
- Premium protection against engine fouling due to combustion soot.
- Formulated with soot dispersant additives to help prevent wear.
- Prevents oil thickening and the formation of harmful deposits.
- Approved against FPT specification FPI9.LUBR001-T2 E7 as well as ACEA E3-E5-E7 and API CI-4.

Change Intervals

		
	Euro I to Euro V	80.000km / 18m
	Euro I to Euro V	100.000 km / 12 m / 1000 h

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FPT Industrial will not monitor or approve any fluid-specific drain interval other than its own fluid.



Oil Configurator

Premium Off-Road Engine Oil 15W-40



Description

Premium Off-Road 15W-40 is a low SAPs engine oil designed to improve engine and oil durability. It reduces maintenance and increases reliability of FPT engines.

Application



- Off-Road most modern low emission engines that meet latest Tier 4 emission standard
- Standard oil for Tier 4 final / Stage IV / Stage V
- Optional oil for Tier 2 / Stage IIA / Tier 3 / Stage IIIA / Tier4A / Stage IIIB

Product benefits

- Provides enhanced fuel economy capability compared to high viscosity oils without compromising engine protection.
- Formulated specifically to inhibit deposits and wear with superior soot control to maximize engine efficiency and help prolong engine life.
- Protection against oil thickening and deposit build up in critical engine parts (reduced low temperature sludge build-up and high temperature deposits).
- Helps to protect exhaust systems devices like those fitted with DPF
- Reduces maintenance costs and downtime.
- Superior low-temperature fluidity reduces engine start-up wear in extreme cold weather conditions.
- Approved against FPT specification FPI9.LUBR001-TLS OFV as well as API CJ-4 / CK-4 and ACEA E7/E9 and ACEA E9.

Change Intervals



S8000	Tier 4 int to Tier 4 final Stage IIIB to Stage V	500 hours / 1 year
F5	Tier 3 to Tier 4 final Stage IIIB to Stage V	500 hours / 1 year
NEF	Tier 4 int to Tier 4 final Stage IIIB to Stage V	500 hours / 1 year
CURSOR	Tier 4 int to Tier 4 final Stage IIIB to Stage V	500 hours / 1 year
VECTOR	Tier 4 final / Stage V	500 hours / 1 year

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FPT Industrial will not monitor or approve any fluid-specific drain interval other than its own fluid.



Oil Configurator

Off-Road & Marine Engine Oil 15W-40



Description

Off-Road & Marine Engine Oil 15W-40 is designed to improve engine and oil durability, increase reliability of FPT engines and reduces maintenance cost. High SAPs medium, heavy duty engine oil suitable for up to Tier 4A standards.

Application






- For all FPT engines utilized in Off-Road / IPU-PG / Marine applications
- Standard oil for Tier 2 / Stage IIA / Tier 3 / Stage IIIA / Tier4A / Stage IIIB

Product benefits

- Reduces the accumulation of acids and chemical corrosion of engine bearings.
- Provides high levels of protection against engine wear in the valve train, piston rings, and cylinder liners.
- Formulated with soot dispersant additives to help prevent wear and loss of engine horsepower.
- Prevents oil thickening and the formation of harmful deposits, delivering optimum engine performance
- Approved against FPT specification FPI9.LUBR001-T2 E7 as well as ACEA E3-E5-E7 and API CI-4.

Change Intervals

		 OFF ROAD	 POWER GEN	 MARINE
S8000	Tier 1 to Tier 3 Not emitted	500 hours / 1 year	600 hours / 1 year	
F5	Not emitted		600 hours / 1 year	
	Tier 2 / Tier 3 Stage II / Stage IIIA	600 hours / 1 year	500 hours / 1 year	
F1	Tier 2 / Stage IIIA			600 hours / 1 year
NEF	Not emitted		600 hours / 1 year	600 hours / 1 year
	Stage I			250 hours / 1 year
	Tier 2 / Tier 3 Stage I / Stage IIIA	600 hours / 1 year	500 hours / 1 year	600 hours / 1 year
CURSOR	Not emitted		600 hours / 1 year	
	Tier 2 / Tier 3 Stage II / Stage IIIA		500 hours / 1 year	600 hours / 1 year

**FOR THE LATEST LOW EMISSION ENGINES
WE RECOMMEND OUR
PREMIUM OFF-ROAD ENGINE OIL 15W-40**

The values shown are for reference and indicate the maximum ranges that can be reached in each application. We invite you to use the Oil Configurator or the official FPT documentation to identify the precise data referring to your engine.

FPT Industrial will not monitor or approve any fluid-specific drain interval other than its own fluid.



Oil Configurator

FPT Coolant

Effective engine lubrication is crucial but it is equally important **to protect your engine's cooling system through the use of specifically designed coolants.**

FPT long service life genuine coolant is based exclusively on a synergic combination of Organic Additive Technology (OAT) providing **excellent overall corrosion protection.** Suitable for all heavy/light-duty diesel, natural gas and gasoline engines, this formulation is approved by FPT engineers under the FPI9.COOL002 specifications.

This coolant provides **superior high temperature protection in extreme conditions** protecting cooling system metals including brass, copper, solder, steel and cast iron against rust, corrosion and deterioration.

It also fights deposit build up and cylinder liner cavitation.

Choosing the right coolant is more important than ever and prevent fault in the cooling system.

FPT coolant has been developed to meet specific requirements of FPT engines:

- | | |
|------------------------------|--|
| Corrosion prevention | Conventional coolants using inorganic additives will deplete corrosion protection over time, due to the additives depositing on the surfaces of the cooling system. Organic additives instead, form a replenishing protective bond with metal surfaces, offering much longer service life without compromising protection. |
| Cylinder protection | Cylinder liner pitting is caused by repetitive cavitation corrosion and can be one of the most expensive cooling system related failures. This can happen in a short period of time when an incorrect coolant is used. |
| Heat removal | Heat transfer is the most important coolant property. The heat transfer is influenced by the ratio of water to ethylene glycol in the coolant. It is important to always choose the correct coolant dilution for your operating area. FPT coolant is available in premixed form to ensure the right level of protection. |
| Water pump protection | Water pump cavitation results from the same conditions as cylinder liner cavitation. It occurs when the pump does not receive enough flow and vapour bubbles form. FPT coolant is formulated to minimize water pump seal wear along with preventing damage from cavitation. |
| Coolant compatibility | Mixing different coolants can lead to a significant reduction in corrosion protection, so make sure to use always the coolant recommended in your Operating manual. |

All Climate Performance Genuine Coolant



Description

FPT All Climate Performance Genuine Coolant is a long service coolant based on Organic Additive Technology (OAT) that demonstrates excellent overall corrosion protection. It protects cooling system metals against rust, corrosion, and deterioration while providing extended water pump performance.

Application



Product can be used in cooling system of all FPT Diesel and Natural Gas engines in light, medium and heavy duty applications.

Product benefits

- Provides up to 960,000 km service life protection in heavy duty applications when properly maintained
- Excellent wet sleeve liner cavitation protection in diesel engines.
- Compatible with all system elastomeric materials to ensure optimal system performance
- Free of borate, nitrite, amine, phosphate, and silicate
- Blended with reverse osmosis treated, demineralized water for optimal performance
- No need to charge the fresh coolant with supplemental coolant additives
- Approved against FPT specification FPI9.COOL002 as well as ASTM D3306 and ASTM D6210

Physical Characteristics

PROPERTY	50-50 PREMIX
Charateristics	Performance (OAT)
Color	Red
pH	8.3
Reserve Alkalinity ml 0.1N HCl	2.5 min
Specific Gravity	1.075
Freeze Point °C	-37
Water Content	47.5 - 50.5%

FPT Genuine engine fluids portfolio

PRODUCT NAME	SYNTHETIC MENTION	PACKSIZE	PRODUCT DESCRIPTION
Premium Plus HD On-Road Engine Oil 5W-30	Synthetic	4 L	Low SAPs engine oil for medium & heavy duty GBVI & Natural Gas engines. Maintenance & Fuel efficiency benefits.
		18 L	
On-Road HD Engine Oil 15W-40		4 L	High SAPs heavy duty engine oil. Meets up to Euro IV & V standards. Improved protection and durability.
		18 L	
Premium Off-Road Engine Oil 15W-40		18 L	Low SAPs heavy duty engine oil suitable for most modern low emission engines that meet latest Tier 4 emission standard.
Off-Road & Marine Engine Oil 15W-40		18 L	High SAPs medium, heavy duty engine oil suitable for up to Tier 4A standards. Improved protection and durability.
All Climate Performance Genuine Coolant		20L	Designed for all Diesel and Natural Gas applications. Organic additive technology to protect cooling system.

For further informations
please refer to FPT Dealers and Service points network.

**BEST PERFORMANCES
REQUIRE OUR GENUINE FLUIDS**

FPT CUSTOMER SERVICE



24/7 CARE & ASSISTANCE

Please, don't hesitate to contact us
for any further information

fptindustrial.com