



# ***GENUINE ENGINE FLUIDS***



***OILS AND  
COOLANTS***

# FPT Engine Oils

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

The new FPT Genuine Engine Oils product line has been developed to ensure the highest level of engine performance under all working conditions. By using the right lubricants, improved performance and protection are guaranteed for all our engines.

Our FPT lubricants 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 Lubricants

Our new line of engine oils 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 across various marine and off-highway sectors
- Maximize protection and performance
- Extend durability and service life
- Reduce fuel and oil consumption for a more sustainable environment
- Protect from wear and tear

Our lubricants 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 hour features.

**The oil change and maintenance intervals declared by FPT are assured only by the use of our FPT Genuine Engine Oils. With other products, the same intervals and performances are not guaranteed.**

***MINIMUM DOWNTIME  
HIGHEST PERFORMANCE***



## Maximize your performance with our lubricants

Maximum performance and minimal downtime of your equipment are offered by FPT Genuine Engine Oils, the ideal 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. A 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

<b>PROPERTY</b>	<b>METHOD</b>	<b>0W-40</b>	<b>10W-40</b>	<b>15W-40</b>
Kinematic Viscosity @40°C mm <sup>2</sup> /s	ASTM D445	75	102	115
Kinematic Viscosity @100°C mm <sup>2</sup> /s	ASTM D445	13.2	14.8	15.3
Dynamic Viscosity mPa s	ASTM D5293	6000 @-35°C	6500 @-25°C	6200 @-20°C
Viscosity Index	ASTM D2270	179	152	139
Total Base Number mg KOH/g	ASTM D2896	9.4	10	10
Sulfated Ash %	ASTM D874	1.0	1.0	1.0
Density @15°C kg/l	ASTM D4052	0.845	0.862	0.876
Flash Point (COC) °C	ASTM D92	226	237	236
Pour Point °C	ASTM D97	-51	-42	-35

## Cold Climate Arctic Off-Road Engine Oil 0W-40

pag. 06



## Premium Off-Road & Marine Engine Oil 10W-40

pag. 08



## Off-Road & Marine Engine Oil 15W-40

pag. 11



## All Climate Performance Genuine Coolant

pag. 15



# Cold Climate Arctic Off-Road Engine Oil 0W-40

## Fully Synthetic



## Description

FPT Cold Climate Arctic Off-Road Engine Oil 0W-40 features an advanced "Low-SAPS" additive technology in a synthetic base oil and is designed to provide highly responsive performance in extreme low temperatures.

## Application





- Off-Road and IPU-PG applications including equipment that are exposed to extreme low temperature operations
- All FPT engines with homologation: from Tier 2 to Tier 4 final and from Stage II to Stage V

## Product benefits

- Excellent shear stability – helps maintain consistent viscosity and oil pressure in the engine during severe high temperature service.
- Protection in extreme low temperature environments – allows reliable pumping on start-up under extreme cold weather climate conditions
- Superb resistance to corrosion – protects critical engine surfaces in humid environments.
- Excellent sludge control and soot handling – helps keep the oil free flowing for good startup and continued energy efficiency. Performance should carry through, not only as a new oil in the engine, but also throughout the entire oil drain.
- Step out wear protection- Reduces engine wear to promote long engine life.
- Emissions system compatibility – helps maintain vehicle emission compliance and engine fuel efficiency. Advanced low-ash formulation helps control blocking or poisoning of exhaust aftertreatment devices.
- Approved against FPT specification FPI9.LUBR001-TLS CC as well as API CK-4.

## Change Intervals

		 OFF ROAD	 POWER GEN
<b>S8000</b>	Tier 1 to Tier 3	500 hours / 1 year	
	Tier 4 int / Stage IIIB to Tier 4 final / Stage V	600 hours / 1 year	
<b>F5</b>	Tier 2 / Stage II to Tier 4 final / Stage V	600 hours / 1 year	600 hours / 1 year
<b>NEF</b>	Tier 2 / Stage II Tier 3 / Stage III	600 hours / 1 year	600 hours / 1 year
	Tier 4 int / Stage IIIB to Tier 4 final / Stage V	1.200 hours / 1 year	600 hours / 1 year
<b>CURSOR</b>	Tier 2 / Stage II to Tier 4 final / Stage V	600 hours / 1 year	600 hours / 1 year
<b>VECTOR</b>	Tier 4 final / Stage V	600 hours / 1 year	

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

# Premium Off-Road & Marine Engine Oil 10W-40

## Semi Synthetic



## Description

Premium Off-Road & Marine Engine Oil 10W-40 features “Low-SAPS” additive technology while delivering energy savings. Protective power is enhanced through the use of synthetic base oil technology to deliver fuel economy performance with no compromise in durability.

## Application






- All FPT high power medium and heavy-duty diesel engines
- Off-Road / IPU-PG / Marine applications
- Premium oil for Tier 4 final / Stage IV / Stage V
- Optional oil for Tier 2 to Tier4A and Stage IIA to Stage IIIB



## Product benefits

- Emissions system capability – advanced low-ash formulation helps control the blocking or poisoning of exhaust after-treatment devices, helping maintain vehicle emission compliance and engine fuel efficiency.
- Excellent soot and viscosity control – greater engine efficiency and longer oil life with a consequential reduction of consumption.
- Fuel economy capability – the use of synthetic base oil components provides improved cold starting and reduced fuel consumption, saving money without compromising engine protection or durability.
- Improved engine cleanliness – the advanced formulation delivers good engine cleanliness and protection against piston deposits allowing for engine and component reliability at extended oil drain intervals.
- Approved against FPT specification FPI9.LUBR001-TLS CK4 as well as API CK-4 and ACEA E9

# Change Intervals

		 <b>OFF ROAD</b>	 <b>POWER GEN</b>	 <b>MARINE</b>
<b>S8000</b>	Tier 1 to Tier 3	500 hours / 1 year		
	Tier 4 int / Stage IIIB to Tier 4 final / Stage V	600 hours / 1 year		
<b>F5</b>	Tier 2 / Stage II to Tier 4 final / Stage V	600 hours / 1 year	600 hours / 1 year	
<b>NEF</b>	Tier 2 / Stage II Tier 3 / Stage IIIA	600 hours / 1 year	600 hours / 1 year	
	Tier 4 int / Stage IIIB to Tier 4 final / Stage V	1.200 hours / 1 year	600 hours / 1 year	
<b>CURSOR</b>	Not Emissioned Tier 2 / Stage IIA to Tier 4 final / Stage V	600 hours / 1 year	600 hours / 1 year	600 hours / 1 year
<b>VECTOR</b>	Tier 4 final / Stage V	600 hours / 1 year		

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Oil Configurator

# Off-Road & Marine Engine Oil 15W-40



## Description

Off-Road & Marine Engine Oil 15W-40 has been formulated with Low-SAPS technology to provide reliable protection and performance for off-road and marine equipment.

## Application






- All FPT medium & heavy-duty engine family
- Off-Road / IPU-PG / Marine applications
- Standard oil for Tier 4 final / Stage IV / Stage V
- Optional oil for Tier 2 to Tier4A and Stage IIA to Stage IIIB

## Product benefits

- Proven wear protection to maximize engine efficiency and help prolong engine life.
- Demonstrated resistance to thermal breakdown under extreme high temperature conditions and excellent cold weather starting.
- Protection of exhaust catalysts and particulate filters found on the latest low emission vehicles.
- Enhanced deposit protection to help keep engines cleaner over the oil drain interval.
- Backwards compatibility with older equipment, and suitable for use in all on and off-highway engines requiring API CK-4, CJ-4, CI-4 Plus, CI-4 or CH-4 diesel engine oil.
- Approved against FPT specification FPI9.LUBR001-TLS OFV

# Change Intervals

		 <b>OFF ROAD</b>	 <b>POWER GEN</b>	 <b>MARINE</b>
<b>S8000</b>	Not emitted		600 hours / 1 year	
	Tier 1 to Tier 3 to Tier 4 final / Stage V	600 hours / 1 year		
<b>F1</b>	Tier 2 / Stage IIIA			600 hours / 1 year
<b>F5</b>	Not emitted		600 hours / 1 year	
	Tier 2 / Stage II Tier 3 / Stage IIIA	600 hours / 1 year	500 hours / 1 year	
	Tier 4 int / Stage IIIB to Tier 4 final / Stage V	500 hours / 1 year		
<b>NEF</b>	Not emitted		600 hours / 1 year	600 hours / 1 year
	Stage I			250 hours / 1 year
	Tier 2 / Stage II Tier 3 / Stage IIIA	600 hours / 1 year	500 hours / 1 year	600 hours / 1 year
	Tier 4 int / Stage IIIB to Tier 4 final / Stage V	750 hours / 1 year		
<b>CURSOR</b>	Not emitted		600 hours / 1 year	
	Tier 2 / Stage II Tier 3 / Stage IIIA	600 hours / 1 year	500 hours / 1 year	600 hours / 1 year
	Tier 4 int / Stage IIIB to Tier 4 final / Stage V	500 hours / 1 year		
<b>VECTOR</b>	Tier 4 final / Stage V	500 hours / 1 year		

**FOR THE LATEST LOW EMISSION ENGINES WE RECOMMEND OUR PREMIUM OFF-ROAD & MARINE ENGINE OIL 10W-40**

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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

## Organic Acid Technology



## 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 600,000 miles 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**

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



# FPT Genuine engine oils portfolio

<b>PRODUCT NAME</b>	<b>SYNTHETIC MENTION</b>	<b>PACKSIZE</b>	<b>PART NUMBER</b>	<b>PRODUCT DESCRIPTION</b>
Cold Climate Arctic Off-Road Engine Oil 0W-40	Fully Synthetic	1 Gal 3.79 L	8094430	Low-SAPS heavy duty engine oil suitable for most modern low emission engines operating in arctic climates.
Premium Off-Road & Marine Engine Oil 10W-40	Semi Synthetic	1 Gal 3.79 L	8094428	Low-SAPS medium & heavy duty engine oil for most modern low emission engines with improved low temperature performance.
		5 Gal 18.93 L	8094429	
		257 Gal 972.85 L	8095721	
Off-Road & Marine Engine Oil 15W-40		1 Gal 3.79 L	8094426	Low-SAPS medium & heavy duty engine oil suitable for modern low emission engines that meet latest Stage V/Tier 4B emission standard.
		5 Gal 18.93 L	8094427	
		257 Gal 972.85 L	8095722	
All Climate Performance Genuine Coolant	Organic Acid Technology	2.5 Gal 9.5 L	8095779	Designed for all Diesel and Natural Gas applications. Organic additive technology to protect cooling system.
		55 Gal 209 L	8095780	

# Operative instructions

- Order Insertion** You can order FPT engine oils by following the current order insertion procedure. You will not need to use several different supplier systems, just the FPT current flow you already know.
- Direct Shipment** To better support your business, FPT engine oils will be shipped directly to your warehouse. FPT will be your only reference and will support your needs on both the operative and management side. Direct Shipment is currently available for USA and Canada.
- Delivery Time** For direct shipment orders, the delivery time is approximately 8 working days from ordering.
- Minimum Order** You can order FPT engine lubricants with a minimum order of \$700 per a ship-to place with free freight charge (mix of different part number is allowed).
- Technical Support** For more information about the FPT genuine lubricants or on how to purchase, please contact your FPT Parts Area Manager.

***BEST PERFORMANCES  
REQUIRE OUR GENUINE LUBRICANTS***



Version 2.0



## 24/7 CARE & ASSISTANCE

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

[ftpindustrial.com](http://ftpindustrial.com)