



## **FP MOTORÖL TITANIUM 5W-40 CI-4 FULLY SYNTHETIC**

### **PRODUCT DESCRIPTION:**

FP MOTORÖL TITANIUM 5W-40 CI-4 is a fully synthetic high-performance heavy-duty diesel engine oil that helps towards long engine life while providing long drain capability for modern diesel engines operating in severe applications. The high TBN level neutralizes the harmful effects of Sulphur contained.

### **APPLICATION:**

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### **FEATURES & BENEFITS:**

- Outstanding thermal and oxidation stability
- One engine oil for mixed fleet operations
- Exceptional low temperature pumpability
- Helps towards long life of critical wear surfaces
- Long drain capability and Fuel economy potential

### **PERFORMANCE LEVELS: Meets or Exceeds:**

API CI-4/SL, ACEA E7, A3/B3/B4, DTFR 15B110 / 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

### **TYPICAL PROPERTIES:**

PARAMETERS	ASTM	UNIT	RESULT
Grade			5W-40
Kinematic Viscosity@ 104°F /40°C	ASTM D7042	cSt	88.6
Kinematic Viscosity@ 212°F /100°C	ASTM D7042	cSt	14.3
Viscosity Index	ASTM D2270	-	168
SP. Gravity @15°C/60°F	ASTM D4052	g/cm <sup>3</sup>	0.850
Flash Point	ASTM D92	°C	226
Pour Point	ASTM D97	°C	-39
TBN	ASTM D2896	mg KOH/g	11.0
CCS, (°C)	ASTM D5293	m.Pa.S	<6600 (-30°C)

### **HEALTH & SAFETY, ENVIRONMENT:**

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point.