



## **FP MOTORÖL XTREME HD 5W-30 FA-4**

### **FULLY SYNTHETIC/SEMI SYNTHETIC**

#### **PRODUCT DESCRIPTION:**

FP MOTORÖL XTREME HD FA-4 is the most advanced lubricant technology for fuel efficient engines equipped with emission after-treatment devices calling for API FA-4. It is specifically formulated for on-highway applications, including certain 2017 greenhouse gas compliant diesel engines to meet lower CO<sub>2</sub> emission and improved fuel economy, in addition to EPA 2010 compliant low emission diesel engines with SCR (Selective Catalytic Reduction), DPF (Diesel Particulate Filter), and EGR (Exhaust Gas Recirculation) systems.

#### **APPLICATION:**

Recommended for heavy duty diesel engines with turbo-charger, direct injection and low emission designs.

#### **FEATURES & BENEFITS:**

- Exceptional Soot dispersancy and wear control.
- Optimum DPF (Diesel Particulate Filter) life
- Exceptional cold start protection.
- Excellent shear stability.
- Improved oxidation stability.
- Best-in-class engine cleanliness.

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

| ©       | 5W-30      |
|---------|------------|
| API     | FA-4/SN    |
| JASO    | DH-2       |
| MB      | 228.61 v17 |
| Cummins | 20087      |
| DDC     | 93K223     |

#### **TYPICAL PROPERTIES:**

| PARAMETERS                        | ASTM       | UNIT              | RESULT       |
|-----------------------------------|------------|-------------------|--------------|
| Grade                             |            |                   | 5W-30        |
| Kinematic Viscosity@ 104°F /40°C  | ASTM D7042 | cSt               | 58.48        |
| Kinematic Viscosity@ 212°F /100°C | ASTM D7042 | cSt               | 10.2         |
| Viscosity Index                   | ASTM D2270 | -                 | 164          |
| SP. Gravity @15°C/60°F            | ASTM D4052 | g/cm <sup>3</sup> | 0.862        |
| Flash Point                       | ASTM D92   | °C                | 218          |
| Pour Point                        | ASTM D97   | °C                | -39          |
| TBN                               | ASTM D2896 | mg KOH/g          | 10           |
| 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.