



PULZAR LONG LIFE Z-7 MOTOR OIL

Product Descriptions

PULZAR LONG LIFE Z-7 MOTOR OIL is a high quality heavy duty diesel engine oil which is one of its famous Long Life family. The high quality base stocks and special additives make **PULZAR LONG LIFE Z-7 MOTOR OIL** an ideal lubricant for heavy diesel engines. It helps your engine run smoother that you can feel right after the first use. Not like the other conventional motor oils, **PULZAR LONG LIFE Z-7 MOTOR OIL** will keep you feel the smoothness through the oils service life which results from an advanced development, Modified Release Technology (MRT).

PULZAR LONG LIFE Z-7 MOTOR OIL contains the latest development in dispersant technology to resist oil thickening caused by soot. The dispersants together with premium oxidation inhibitors make **PULZAR LONG LIFE Z-7 MOTOR OIL** a truly anti-sludge and long lasting protection motor oil by effectively keep particles in suspension to extend filter and oil life.

The special anti-wear additives will spread over directly to metal surfaces for maximum and long lasting engine protections. The MRT will help engines to be continuous protected for the wide temperature ranges through the oil service life.

Application

PULZAR LONG LIFE Z-7 MOTOR OIL is specially formulated for heavy-duty service in diesel engines in over-the-road diesel trucks, off-road heavy-duty construction equipment, mine equipment and farm vehicles.

PULZAR LONG LIFE Z-7 MOTOR OIL can be used with complete confidence for extended oil drain intervals when combined with used oil monitoring maintenance practices. Always change oil as specified by the engine manufacturer to maintain your warranty. Always refer to the vehicle owner's manual for the correct viscosity choice.

Features

- Provides smooth-run engine
- Provides Long Lasting Protections through engine life with Modified Release Technology
- Recommends for turbocharged diesel engines
- Minimizes piston and combustion chamber deposits
- Resists oil sludge and varnish by enhanced oxidation control
- Meets API Service Classification CF-4/SG

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES PULZAR LONG LIFE Z-7 MOTOR OIL

| Test | METHOD | TYPICAL RESULTS | |
|---|-------------|-----------------|--------------|
| SAE Viscosity Grade Pour Point, °C | SAE J300 | 15W-40 | 20W-50 |
| API Service | - | CF-4/SG | CF-4/SG |
| Density @ 30 °C | ASTM D-4052 | 0.8594 | 0.8800 |
| Pour Point, °C | ASTM D-97 | -27 | -27 |
| Flash Point, °C | ASTM D-92 | 238 | 247 |
| Viscosity | | | |
| @ 40 °C, cSt | ASTM D-445 | 117.9 | 181.0 |
| @ 100 °C, cSt | ASTM D-445 | 15.15 | 19.63 |
| Viscosity Index | ASTM D-2270 | 133 | 125 |
| Low Temperature Viscosity, Vis (cP) at temperature (°C) Max | ASTM D-5293 | 6832@-20°C | 8,480 @-15°C |
| Total Base Number, mg KOH/g | ASTM D-2896 | 8.30 | 8.40 |

