



PULZAR LONG LIFE GOLD

Product Descriptions

PULZAR LONG LIFE GOLD MOTOR OIL is truly exceptional motor oil that exceeds the stringent performance requirements of the API CI-4 classification. It contains an advanced development, Modified Release Technology (MRT) which helps engines to be continuous protected for a wide temperature range through the oil service life.

PULZAR LONG LIFE GOLD MOTOR OIL is specially formulated so that it resists shear down, viscosity loss and thickening from heavy soot load and oxidation, even under extreme circumstances, such as extended oil drains of up to twice the normal interval.

PULZAR LONG LIFE GOLD MOTOR OIL provides outstanding soot control, which helps protect your engine against brutal wear and helps extend engine life. **PULZAR LONG LIFE GOLD MOTOR OIL** is formulated with the high-quality base stocks and superior additives. It can maintain its viscosity under conditions of high temperature and high stress, helping protect moving parts from friction, wear and engine destroying metal-to-metal contact

Application

PULZAR LONG LIFE GOLD MOTOR OIL is truly a universal oil. It is recommended for use in over-the-road diesel trucks, heavy-duty construction equipment, mining equipment, oil field engines, farm vehicles and passenger cars. It is also recommended for gasoline engines.

Always refer to the vehicle owner's manual for the correct viscosity choice.

Features

- Extends engine life
- Provides a protective shield against all forms of wear through Modified Release Technology (MRT)
- Helps maintain fuel economy
- Helps reduce oil consumption
- Outstanding soot control
- Consistent oil pressure for thorough engine lubrication
- Recommended for both diesel and gasoline engines
- Recommended for turbocharged diesel engines
- Minimizes piston and combustion chamber deposits
- Fights sludge and varnish
- Effectively neutralize acids to help keep corrosive wear to a minimum
- Contains anti-wear and anti-scuff agents
- Meets API Service Classification API CI-4/SL
- **SAE 15W-40** meets or exceeds API CI-4, CF, SL, ACEA E7-12, Daimler MB 228.3, MAN M3275, MTU Type 2, Volvo VDS-3, Mack EO-N, EO-M Plus, Renault Trucks RLD-2, Cummins CES 20076/20077/20078, Caterpillar ECF-2, Global DHD-1, Deutz DQC III-10, Detroit Diesel 93K215
- **SAE 20W-50** meets or exceeds API CI-4, CF, SL, ACEA E7-12, Daimler MB 228.3, MAN M3275, Caterpillar ECF-1-a, Global DHD-1

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES PULZAR LONG LIFE GOLD

Test	METHOD	TYPICAL RESULTS	
		15W-40	20W-50
SAE Viscosity Grade	SAE J300	15W-40	20W-50
API Service Classification	SAE J183	CI-4/SL	CI-4/SL
Density @ 30 °C	ASTM D-4052	0.8628	0.8691
Flash Point (COC) °C	ASTM D-92	232	240
Pour Point °C	ASTM D-97	-30	-27
Viscosity			
@ 40°C cSt	ASTM D-445	108.4	178.0
@ 100°C cSt	ASTM D-445	14.90	19.50
Viscosity Index	ASTM D-2270	143	126
CCS@-20C°cP, -15C°cP	ASTM D-5293	4,530 @-20C	6,300 @-15C
Total Base Number, mg KOH/g	ASTM D-2896	9.50	9.50

