



PULZAR LONG LIFE XLD

Product Descriptions

PULZAR LONG LIFE XLD is truly semi synthetic motor oil that exceeds the performance requirements of the API CI-4 classification. It suitable in both on- and off-highway applications and in diesel engines. It contains an advanced development technology, Modified Release Technology (MRT) helps engine to be continuous protected for a wide temperature range through the oil service life.

PULZAR LONG LIFE XLD is specially formulated to maintain engine performance and maximize useful service life. It can significantly extend oil drain intervals beyond conventional oils which reduces waste oil disposal. It had been tested and run for many hours and miles, under the harshest conditions imaginable.

PULZAR LONG LIFE XLD is blended from selected highly-refined semi synthetic base oils, with high-tech premium additives. It can maintain its viscosity under conditions of high temperature and high stress, helping protect engines against brutal wears. It has outstanding resistance to “shearing out” of viscosity grade result in the excellent engine protection, even under extended drain interval conditions.

Application

PULZAR LONG LIFE XLD is truly an universal oil. It is recommended for use in over-the road diesel trucks, diesel engines equipped with commonrail systems, heavy-duty construction equipment, mining equipment, oil field engines, farm vehicles and passenger cars. It is also recommended for gasoline engines.

PULZAR LONG LIFE XLD is recommended wherever engine manufacturers specify the use of an engine oil meeting API Service Classification CI-4 and SL or the combination CI-4/SL. Always refer to the vehicle owner’s manual for the correct viscosity choice.

Features

- Superior extends drain interval
- 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 diesel engines, and diesel engine equipped with commonrail systems, 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
- Meets or Exceeds MB 228.3, MAN M3275, VOLVO VDS-3, MTU TYPE 2, MACK EO-N,EO-M Plus, Renault Truck RLD-2, CUMMINS CES 20076/20077/20078, CAT ECF-2, Global DHD-1, Deutz-III-10, Detroit Diesel 93K215 and Alison TES439

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES PULZAR LONG LIFE XLD

Test	METHOD	TYPICAL RESULTS
SAE Viscosity Grade	SAE J300	15W-40
API Service Classification	SAE J183	CI-4/SL
Viscosity @ 40°C cSt	ASTM D-445	109
@ 100°C cSt	ASTM D-445	14.99
Viscosity Index	ASTM D-2270	143
Density @ 30 °C	ASTM D-4052	0.8584
Flash Point (COC) °C	ASTM D-92	238
Pour Point °C	ASTM D-97	-27
CCS@-15 °C’cP	ASTM D-5293	6006
Total Base Number, mg KOH/g	ASTM D-2896	10.29

