



SUPER LIFE® XLD 12000 FS PAO 0W-40 **PREMIUM FULL SYNTHETIC HEAVY DUTY DIESEL ENGINE OIL**

SUPER LIFE® XLD 12000 FS PAO 0W-40 is designed for the 2007 EPA and the latest 2010 EPA– compliant engines to meet the increased demands of new lower-emission diesel engines equipped with exhaust after treatment systems such as Diesel Particulate Filters (DPF) with or without Diesel Oxidation Catalysts (DOC), increased rates of Exhaust Gas Recirculation (EGR) and Selective Catalytic Reduction (SCR). It provides excellent quality in on- and off- highway service applications, protects in extreme operating temperature and help maximize engine durability.

It is also suitable for use in engines powered by both ultra and low sulfur diesel.

SUPER LIFE® XLD 12000 FS PAO 0W-40 - Premium Full Synthetic Heavy duty Diesel Engine oil is full synthetic engine oil specially developed with PAO Synthetic base stocks and the most advanced “Low SAPS” additive technology to meet the stringent requirements of modern heavy duty diesel engines operating under a wide variety of service conditions: severe driving, heavy load, frequent stop- and- go service. It is suitable for both current 2010 emissions engines (SCR), as well as older equipment.

APPLICATIONS:

SUPER LIFE® XLD 12000 FS PAO 0W-40 is recommended for new advanced diesel powered engines in trucks, marine industries, heavy duty construction equipment, mining equipment, oil fuel engines, farm vehicles, passenger cars, etc., operating under severe service, subjected to wide variations in climate conditions, in all types of on-road and off- road service. It is also recommended for gasoline engines in pick- up trucks, sport-utility vehicles, and mixed fleets.

SUPER LIFE® XLD 12000 FS PAO 0W-40 meets the performance requirements of the engine manufactures in North America, Europe, Japan: Caterpillar, Cummins, Detroit Diesel, Mack, Man, Mercedes, Volvo, Komatsu, International (Navistar), Ford, Chrysler, GM, BMW, Audi, Volkswagen, Peugeot, Fiat, etc.

API: CJ-4/SN

ACEA: E7-08(2010)/ E9-12(2012)

JASO DH-2

Caterpillar ECF-1-a, ECF-2, ECF-3

MACK EO-O Premium Plus 07, EO-N

Volvo VDS-4, VDS-3

CUMMINS CES 20076/20081

MERCEDES BENZ 228.31

DETROIT DIESEL DDC PGOS 93K218

MAN 3575

BENEFITS:

- Prevent premature DPF plugging and shortened maintenance intervals
- Minimize piston and combustion chamber deposits.
- Fight sludge and varnish.
- Excellent protection against engine wear due to soot.
- Fuel economy, oil economy
- Maintain oil film under conditions of high temperature and high stress. Protect moving parts from friction, wear and engine destroying metal-to-metal contact.
- Excellent oxidation, foam, corrosion inhibition

- Provide faster, safe starts during extreme low temperatures and increase thermal and oxidation stability at extreme high temperatures.
- Extend engine life

TYPICAL CHARACTERISTICS

Test	Method	Typical Results
SAE Viscosity Grade	SAE J300	SAE 0W-40
API Gravity	ASTM D287	35.95
Specific gravity @ 15.6°C (60°F)	ASTM D1298	0.845
Viscosity @ 40°C cSt @ 100°C cSt	ASTM D445	84.55 13.80
Viscosity index	ASTM D2270	168
Flash Point, °C (°F)	ASTM D92	218 (424.4)
Pour Point , °C (°F)	ASTM D97	-50 (-58)
Total Base Number, mgKOH/g	ASTM D2896	8.5
Sulfated Ash, % wt	ASTM D 874	0.86
Noack, % wt off @ 250°C	ASTM D 5800	8.73
HTHS Viscosity @150°C ,cP	ASTM D4683	4.20

The above characteristics are average values based on recent production. Minor variations, which do not affect product performance, are to be expected in normal manufacture.

WARNING:

Continuous contact with used motor oil has caused skin cancer in animal tests. Avoid prolonged contact. Thoroughly wash exposed areas with soap and water. Keep out of reach of children.

Don't pollute. Conserve resources. Return used oil and container to collection centers

Reference SDS Number I2022 database on our website at www.amtecol.com OR scan the code for a direct link

