



## ***SUPER LIFE® XLD 25000*** **ADVANCED HEAVY DUTY DIESEL ENGINE OILS**

*SUPER LIFE® XLD 25000 Products* are designed for the latest 2010 EPA and GHG 17 (2017 Greenhouse Gas) – compliant diesel engines to meet the increased demands of improved fuel economy and 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). They provide excellent quality in on-highway and off- highway service applications and help maximize engine durability.

*SUPER LIFE® XLD 25000 – Advanced Heavy duty Diesel Engine oils* are formulated with premium base oils and the latest additive technology to enhance emissions systems protection, improve fuel economy and protect new generation GHG’17 model heavy duty diesel engines in which and the API CK-4 is recommended. They are also backward compatible with previous API Oil Service Categories.

They are also suitable for use in engines powered by both ultra and low sulfur diesel.

### **APPLICATIONS:**

*SUPER LIFE® XLD 25000* are recommended for high-output, high speed, turbocharged or naturally aspirated new advanced diesel powered engines including the fuel and emissions full electronic control systems in trucks, fishing & marine industries, heavy duty construction equipment, mining equipment, oil fuel engines, farm vehicles, passenger cars, all types of generators, etc., operating under severe service, subjected to wide variations in climate conditions, in all types of on-road and off- road service. They are also recommended for gasoline engines in pick- up trucks, sport- utility vehicles, and mixed fleets.

*SUPER LIFE® XLD 25000* meet the performance requirements of the engine manufactures in North America, Europe, Japan: Caterpillar, Cummins, Detroit Diesel, Mack, Man, Mercedes, Volvo, Komatsu, Hino, Mitsubishi, Nissan, Daihatsu, International (Navistar), Ford, Chrysler, GM, BMW, Audi, Volkswagen, Peugeot, Fiat, etc.

SAE Viscosity Grade	<b>10W-30</b>	<b>10W-40</b>	<b>15W-40</b>
API CK-4, CJ-4, CI-4 Plus/SL, CI-4/SL, CH-4	x	x	x
ACEA E6	x	x	x
ACEA E7	x	x	x
ACEA E9	x	x	x
CATERPILLAR ECF-3, ECF-2, TO-2	x	x	x
MACK EOS-4.5, EO-O Premium Plus	x	x	x
VOLVO VDS-4.5, VDS-4, VDS-3	x	x	x
DETROIT DIESEL 93K222/93K218/93K215	x	x	x
CUMMINS CES 20086/20081	x	x	x
MB 228.31	x	x	x
MTU Type 2.1		x	x
MAN 3271-1/3275/3477		x	x
MAN 3575	x	x	x
RENAULT TRUCK RLD-4, RLD-3, RLD-2	x	x	x
DEUTZ DQC III-10LA	x	x	x

JASO DH-2, DH-1	x	x	x
GLOBAL DHD-1		x	x
ALLISON TES 439		x	x
SCANIA UHPD, LDF-2		x	x
NAVISTAR		x	x
IVECO 18-1804 TLS E9		x	x
JOHN DEERE TIER IV ENGINES		x	x

**BENEFITS:**

- Engine durability protection. Help minimize operating cost.
- Exceptional wear protection for longer engine life.
- Prevent premature DPF plugging and shortened maintenance intervals.
- Fight sludge and varnish. Minimize piston and combustion chamber deposits.
- 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.

**TYPICAL CHARACTERISTICS**

Test	Method	Typical Results		
		10W-30	10W-40	15W-40
SAE Viscosity Grade	SAE J300	10W-30	10W-40	15W-40
API Gravity	ASTM D287	32.08	30.21	30.03
Specific gravity @ 15.6°C (60°F)	ASTM D1298	0.865	0.875	0.876
Viscosity @ 40°C cSt @ 100°C cSt	ASTM D445	82.9	103.4	116.0
		12.2	14.5	15.2
Viscosity index	ASTM D2270	143	145	136
Flash Point, °C (°F)	ASTM D92	220 (428)	222 (432)	225 (437)
Pour Point, °C (°F)	ASTM D97	-36 (-33)	-36 (-33)	-36 (-33)
Total Base Number, mgKOH/g	ASTM D2896	10	10	10
Sulfated Ash, %wt	ASTM D874	0.95	0.95	0.95
HTHS Viscosity @150°C, cP	ASTM D4683	3.6	3.8	4.2

*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 12021 database on our website at [www.amtecol.com](http://www.amtecol.com) OR scan the code for a direct link

