



XLO Heavy Duty Fleet Engine Oil 10W-40

(September 2021 edition)

AMALIE XLO Heavy Duty Fleet Engine Oil 10W-40 has been improved and upgraded to be among the best and most efficient diesel engine oils available to the fleet market. New additive systems and rigorous laboratory and field testing have proven that **AMALIE XLO Heavy Duty Fleet Engine Oils** are up to the task of protecting your engine; helping your engine operate within the new emission and pollution requirements as well as meeting or exceeding the OEM requirements. **AMALIE XLO Heavy Duty Fleet Engine Oils** are specifically engineered to meet the manufacturers' prerequisite for performance, TBN, and balanced ash requirements. They will deliver superior long-lasting protection for both turbocharged and naturally aspirated diesel and gasoline engines, including those engines that have exhaust gas recirculation (EGR) systems. They are formulated for extended service/extended drain when operated under typical operating conditions and are engineered to help promote fuel economy.

AMALIE XLO Heavy Duty Fleet Engine Oil 10W-40 exceed the CI-4/SL API Service Classifications as well as the CH-4, CG-4, CF-4, CF-2, CF and CD API Service Classifications; Global DHD-1; and JASO DH-1. **AMALIE XLO Heavy Duty Fleet Engine Oils** are recommended for use wherever MIL-L-2104-G and MIL-L-46152-E are recommended; wherever Allison C-3 and C-4 fluids and Caterpillar TO-2 are recommended or required; and are recommended for use wherever the following European approval standards are specified: E7, E5, E3.

Always consult your vehicle's owner's manual when selecting the appropriate viscosity and service grade.

Benefits

- High Soot Handling
- Improved Sludge Control
- Excellent Protection for Metal Components from Rust, Corrosion, and Wear
- Superior Protection Across a Wide Temperature Operating Range
- Shear Stable Formulation

Typical Physical and Chemical Properties

Viscosity Grade.....	10W-40
Kinematic Viscosity @100°C, cSt.....	15.0
Kinematic Viscosity @40°C, cSt.....	110
Viscosity Index.....	155
Cold Cranking Viscosity, cP @ (-25°C).....	6600
Flash Point, °C (°F).....	210 (410)
Pour Point, °C (°F).....	-33 (-27.4)
Density, S.G.....	0.8712
Sulfated Ash, Wt%.....	1.3
TBN, mgKOH/g.....	10.5

Typical values are listed. Variations not affecting the performance of this fluid may occur during production, however; these variations will not fall outside of set specification parameters.

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Approvals and Recommendations

SPECIFICATIONS	XLO 10W-40 HD Fleet
API:	
CI-4, CH-4, CG-4	√
CF-4	√
CF-2 [1] CF/CD	√
SL/SJ/SH [2]	√
Allison	
C-4, C-3	√
Mil-PRF	
L-2104G(AA52306)	√
L-2104-B, Mil-L-46152	√
Caterpillar	
TO-2	√
ECF-2, ECF-1, SEBU 6250	√
Mack	
EO-N Premium Plus	√
EO-M, EO-M Plus	√
Cummins	
CES 20078, 76, 71	√
CES 20077, 72	√
JASO Global	
DHD-1	√
Navistar	
TSI-99-12	√
Detroit Diesel	
7SE270 [3]	√
Daimler Chrysler	
(MB) 228.3, 228.2	√
Renault	
RLD-2	√
ACEA	
E7, E5, E3	√
Volvo	
VDS-3	√
VDS-2	√
Man	
3275-1	√
MTU	
Type I	√

Please consult AMALIE Technical Services or your local representative for a full listing of applications.

Health and Safety

Safety Data Sheets (SDS) are available online at AMALIE.com or from your AMALIE Representative.