



XLO Heavy Duty Fleet Engine Oil 15W-40

(September 2021 edition)

AMALIE XLO Heavy Duty Fleet Engine Oil 15W-40 delivers superior long-lasting protection for both turbocharged and naturally aspirated diesel and gasoline engines, including those engines that have exhaust gas recirculation (EGR) systems. Advanced additive systems as well as rigorous laboratory and field testing have proven that **AMALIE XLO Heavy Duty Fleet Engine Oil** is up to the task of protecting your engine. It is specifically engineered to meet OEM prerequisites for performance, TBN, and balanced ash requirements. It is formulated for extended service/extended drain when operated under typical operating conditions and is engineered to help promote fuel economy.

AMALIE XLO Heavy Duty Fleet Engine Oil 15W-40 exceeds the CI-4/SL API Service Classification and is backwards compatible to previous CH-4, CG-4, CF-4 classifications; Global DHD-1; and JASO DH-1. It is recommended for use wherever MIL L 2104-G or MIL L 46152-E, MACK EO-M Plus, MAN M 3275, Cummins CES 20078, MB 229.1, DDC 93K215, ACEA E7 are recommended or required. Please see the application guide for an extended listing of applicable uses.

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.....	15W-40
Kinematic Viscosity @100°C, cSt.....	15.6
Kinematic Viscosity @40°C, cSt.....	120.0
Viscosity Index.....	140
Cold Cranking Viscosity, cP @ (-20°C)	5600
Flash Point, °C (°F).....	218 (424)
Pour Point, °C (°F).....	-30 (-22)
Density, S.G.....	0.88
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.

Application Chart on Page 2.

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Application Chart

SPECIFICATIONS	XLO 15W-40 HD Fleet
API:	
CI-4, CH-4, CG-4, CF-4	√
SL, SJ	√
Allison	
C-4, C-3	√
Mil-PRF	
L-2104G, Mil-L-46152E	√
Caterpillar	
TO-2, ECF-2, ECF-1-A	√
Mack	
EO-M Plus, EO-N Premium Plus	√
Cummins	
20078, 20077, 20076	√
JASO	
DH-1	√
Navistar	
TSI-99-12	√
Detroit Diesel	
DDC 93K215, Oil Category 2	√
Daimler	
MB 229.1, 228.3, 228.2	√
Global	
DHD-1	√
ACEA	
E7	√
A3/B4	√
Volvo	
VDS-3, VDS-2	√
Renault	
RLD-2, RLD	√
Duetz	
DQC III-10	√
Man	
3275	√
MTU	
Type 2	√
Voith	
Class A	√

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