



AMALIE XLO Ultimate Synthetic Blend Molybdenum Fortified CK-4/SN 15W-40

(May 2021 edition)

AMALIE XLO Ultimate Synthetic Blend Molybdenum Fortified CK-4/SN 15W-40 is premium high performance diesel engine oil utilizing the latest in engine oil additive technology to offer the ultimate protection of your engine. Designed to meet or exceed the latest OEM and API CK-4 requirements, it is also backwards compatible to previous OEM and API specifications such as CJ-4, CI-4, CI-4+, and CH-4. Amalie CK-4/SN 15W-40 carries the API SN classification for use in gasoline engines and is an excellent choice for operators with mixed fleets. This oil is specially designed to protect EGR/Low-Emission Diesel Engines while maximizing the durability of Diesel Particulate Filters (DPF's).

AMALIE XLO Ultimate Synthetic Blend Molybdenum Fortified CK-4/SN 15W-40 is recommended for use in a wide range of heavy-duty applications and operating environments found on-and off-highway, including engines operating under heavy loads. It is formulated for extended service/extended drain when operated under typical operating conditions. AMALIE CK-4/SN 15W-40 offers improved TBN retention, lower oil consumption, greater wear protection, oxidation stability, excellent shear stability, and reduced high temperature deposits.

Benefits:

- High Soot Handling.
➤ Improved Sludge Control.
➤ Excellent Protection for Metal Components from Rust, Corrosion and Wear.
➤ Superior Oxidation Stability.
➤ Shear Stable Formulation.
➤ One Oil for Mixed Fleets.
➤ Exceptional Oil Consumption Control.
➤ Lasting TBN Retention.

Typical Physical and Chemical Properties

Table with 2 columns: Property and Value. Properties include Viscosity Grade (15W-40), Kinematic Viscosity @ 100°C (15.50), Kinematic Viscosity @ 40°C (116.0), Viscosity Index (140), Flash Point (220(428)), Pour Point (-33(-27.4)), Density (0.878), Sulfated Ash (0.95), and TBN (10.0).

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	Amalie 15W-40
ACEA:	
E9, E7	√
Allison	
TES 439	√
API:	
CK-4, CJ-4, CI-4 PLUS, CI-4, CH-4	√
SN, SM, SL, SJ	√
Caterpillar	
ECF-3, ECF-2	√
Cummins:	
CES 20086, CES 20081	√
Daimler (MB)	
MB 228.31	√
Detroit Diesel	
DFS 93K222, 93K218	√
Deutz	
DQC III-10 LA	√
Ford	
WSS M2C171-F1	√
Global	
DHD-1	√
JASO	
DH-2, DH-1	√
Mack	
EOS-4.5, EO-O Premium Plus, EO-N	√
MAN	
M 3575	√
Mil-PRF	
2104 Rev. H	√
MTU	
2.1	√
Navistar	
TSI-99-12	√
Renault	
RLD-4, RLD-3	√
Volvo	
VDS-4.5, VDS-4, VDS 3	√

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