



XLO Ultimate Molybdenum Fortified CK-4/SN 20W-50

(May 2021 edition)

AMALIE XLO Ultimate Molybdenum Fortified CK-4/SN 20W-50 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 20W-50** is also recommended for API SN 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 Molybdenum Fortified CK-4/SN 20W-50 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 20W-50** 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

Viscosity Grade.....	20W-50
Kinematic Viscosity @100°C, cSt.....	18.0
Kinematic Viscosity @40°C, cSt.....	160.0
Viscosity Index.....	125
Flash Point, °C (°F).....	229(444)
Pour Point, °C (°F).....	-27(-16.6)
Density, S.G.....	0.884
Sulfated Ash, Wt%.....	0.95
TBN, mgKOH/g.....	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.



Better than it has to be
Since 1903

TECHNICAL DATA SHEET

XLO Ultimate Molybdenum Fortified CK-4/SN 20W-50

Recommendations

SPECIFICATIONS	AMALIE XLO Ultimate 20W-50
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.

Health and Safety

Safety Data Sheets (SDS) are available from your AMALIE sales representative.