

AMALIE

Better than it has to be®
Since 1903



XLO

HEAVY DUTY FLEET

SAE 10W-40

MOTOR OIL

API: CI-4/SL

BENEFITS:

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

AMALIE ALAS+ (AMALIE Lubricant Analysis System) is AMALIE's used oil analysis program designed exclusively for AMALIE XLO, AMALIE XLO Ultimate and AMALIE Super XLO Ultimate customers. It allows them to get an inside look at what is going on in their engine. ALAS+ measures wear metals, contaminants, viscosity and other used oil characteristics to help prevent component failure, determine optimum drain intervals and help to reduce fuel costs. ALAS+ is a comprehensive analysis program using the most modern laboratory equipment available, that provides valuable information about your engine's condition every time the oil is changed for the life of the equipment. ALAS+ supplies clear concise analytical reports in a timely fashion that include the necessary data needed to help you successfully manage your highly expensive equipment investment.



For Diesel and Gasoline Engines

MADE IN U.S.A.



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HEAVY DUTY FLEET



AMALIE XLO Heavy Duty Fleet 10W-40 Engine Oil 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 10W-40 Engine Oil** 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 10W-40 Engine Oil** 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 10W-40 Engine Oil 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 10W-40 Engine Oil** 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.

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.

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

Technical Services: • (800) 368-1264 • techservices@amalie.com

XLO HEAVY DUTY FLEET

VISCOSITY	PACK SIZE	PART #
10W-40	5 Gallon Pail	160-71784-25
	55 Gallon Drum	160-71783-05

Always refer to your vehicles operating manual to select the correct grade of oil for your engine. The data presented herein are believed to be accurate; however, Amalie Oil Company shall not be liable for its content and makes no warranty with respect thereto.

Health and Safety

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

APPLICATION CHART

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	✓