

# AMALIE

Better than it has to be®  
Since 1903



## XLO HEAVY DUTY MULTI-GRADE FLEET MOTOR OILS

**AMALIE XLO Heavy Duty Multi-Viscosity Fleet Motor Oils** are formulated with high quality base stocks and an improved additive system. This latest technology additive system imparts improved anti-wear, corrosion protection, oxidation inhibition, detergency, and de-foaming ability. Rigorous laboratory and field testing have proven that **AMALIE XLO Heavy Duty Fleet Motor 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. They 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. It is formulated for extended service/extended drain when operated under typical operating conditions.

**AMALIE XLO Heavy Duty Fleet Motor Oils** meet or 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. **AMALIE XLO Heavy Duty Fleet Motor Oils** are recommended for use wherever MIL L 2104-G and MIL L 46152-E are recommended; or wherever the following European approval standards are specified: E7, E6, E5, E3, E2 and E1.

### Benefits:

- Excellent protection for metal components from rust, corrosion and wear
- High soot handling
- Improved sludge control
- Superior protection across a wide temperature operating range
- Shear stable formulation

## XLO HEAVY DUTY MONO-GRADE FLEET MOTOR OILS

**AMALIE XLO Heavy Duty Fleet Motor Oils** are mineral based mono-grade diesel engine oil that providing excellent protection for engines and machinery that require a CF or CF-2/SL API rated oil. It exhibits good resistance to oxidation; preventing the formation of deposits and varnishes. Detergent, dispersant and anti-wear properties keep the engine clean and enable effective control of soot, sludge and piston deposits.

**AMALIE XLO Heavy Duty Fleet Motor Oils** may be used in both Turbo and non-turbocharged older engines. They offer excellent rust and corrosion protection and promotes engine durability. It is recommended for 2-stroke diesel engines as well as heavy equipment used for mining and quarrying operations. **AMALIE XLO Heavy Duty Fleet Motor Oils** may be used in transmissions and hydraulic applications where the use of a mono-grade engine oil is recommended.

### Benefits:

- Protection for metal components from rust, corrosion and wear
- Shear stable mono-grade oil
- Good sludge and soot Control
- Superior oxidation stability
- High TBN

## XLO XTRA DUTY SYNTHETIC BLEND MOTOR OILS

**AMALIE XLO Xtra Duty Synthetic Blend 13 TBN Motor Oils** are formulated to provide excellent protection against wear, extended drain performance, and effective control of soot, sludge and piston deposits. A high TBN reduces corrosive wear from acid formation in areas where medium to high sulfur fuel is still in use. These oils are specifically designed to withstand the rigorous requirements of exhaust gas recirculation (EGR) engines. A blend of quality base stocks, a shear stable polymer, and advanced additive chemistry provides long lasting protection for both turbocharged and naturally aspirated diesel engines.

**AMALIE XLO Xtra Duty Synthetic Blend 13 TBN Motor Oils** are designed to meet or exceed the API CI-4 Plus/SL Service Classification as well as the CI-4/SL, CH-4, CG-4, CF-4, and previous API Service Classifications. It may be used in Euro 4 or previous engines and exceeds the requirements of ACEA E7 and E4.

### Benefits:

- High initial TBN and TBN reserves
- Excellent soot handling
- Extended Drain Capability
- Excellent Engine Cleanliness

## HPO TURBO MOTOR OILS\*

**AMALIE HPO Turbo Motor Oils** are high quality detergent motor oils recommended for diesel and gasoline engines manufactured by American, European, Korean, Japanese and other engine manufactures from around the world. These oils are manufactured to meet the requirements of API SG CF-4, CF-2, CF / SG, SF as well as ACEA A3/B4, A3/B3, A1/B1, E3, E2, and E1. They are manufactured from select blends of high quality base oils and additives to promote long engine life, protect against rust, corrosion and harmful oxidation, and are designed to help reduce engine wear and oil consumption.

**AMALIE HPO Turbo Multi-grade Motor Oils** are coupled with a premium viscosity modifier to assure easy starts in cold climates, protect against oil thinning at higher temperatures, and are formulated to provide fuel savings to the consumer.

\*The **AMALIE HPO Turbo Motor Oil** product line is for export only and minimum order requirements apply. Please contact your regional manager for available viscosities.

**AMALIE ALAS+ (AMALIE Lubricant Analysis System)** is AMALIE's used oil analysis program designed exclusively for AMALIE XLO and AMALIE 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.

MADE IN U.S.A.



### XLO HEAVY DUTY FLEET -- MONO-GRADE

VISCOSITY	PACK SIZE	PART #
10W	5 Gallon Pail	160-61714-25
	55 Gallon Drum	160-61713-05
30	12-1 Quart	160-61736-56
	4-1 Gallon	160-61737-36
	5 Gallon Pail	160-61734-25
	55 Gallon Drum	160-61733-05
40	12-1 Quart	160-61746-56
	4-1 Gallon	160-61747-36
	3-2.5 Gallon	160-61741-26
	5 Gallon Pail	160-61744-25
50	55 Gallon Drum	160-61743-05
	12-1 Quart	160-61756-56
	5 Gallon Pail	160-61754-25
	55 Gallon Drum	160-61753-05

### XLO HEAVY DUTY FLEET -- MULTI-GRADE

VISCOSITY	PACK SIZE	PART #
10W-30	5 Gallon Pail	160-71774-25
	55 Gallon Drum	160-71773-05
10W-40	5 Gallon Pail	160-71784-25
	55 Gallon Drum	160-71783-05
15W-40	12-1 Quart	160-71706-56
	4-1 Gallon	160-71707-36
	5 Gallon Pail	160-71704-25
	55 Gallon Drum	160-71703-05
	20W-50	4-1 Gallon
	5 Gallon Pail	160-71794-25
	55 Gallon Drum	160-71793-05
25W-50	5 Gallon Pail	160-61704-25
	55 Gallon Drum	160-61703-05
25W-60	5 Gallon Pail	160-71764-25

### XLO XTRA DUTY SYNTHETIC BLEND

VISCOSITY	PACK SIZE	PART #
5W-40	55 Gallon Drum	160-61993-05
20W-50	5 Gallon Pail	160-71994-25

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.