



# Taro<sup>®</sup> XL Series

## Medium-speed engine oils

Product Data Sheet

### Product description

Taro XL Series lubricants are high-performance, high-BN, diesel engine oils for medium-speed trunk piston diesel engines. Taro XL Series lubricants are specially developed to use in medium-speed, trunk piston diesel engines burning residual fuels with a maximum sulphur level of 4.5%. Taro XL Series lubricants are blended from high-quality base oils and additives that provide an extra margin of protection against ring sticking, piston deposits and wear under the most severe operating conditions.

Taro XL Series lubricants have very good viscosity control when used in severe high-temperature service, and their excellent BN retention characteristics prevent corrosive wear over long periods of operation. The unique detergent and dispersant additive system provides outstanding piston cleanliness as well as control of fuel contaminants. This results in extreme reduction of both “hot” (piston lands and grooves, piston undercrown, purifier preheaters) and “cold” (crankcase, cambox, rocker area, fuel pumps, purifier bowl) deposits. Taro XL Series lubricants provide a high degree of water tolerance and have good water separation and base retention properties.

### Recommended Uses

Taro XL Series lubricants are recommended for all types of trunk piston diesel engines burning residual fuels with a maximum sulphur level of 4.5%. Taro XL Series lubricants are approved by all major OEMs.

### Performance Benefits

#### Wear Protection

- High BN levels control cylinder liner wear effectively and protect bearings from corrosion. High-performance, antiwear additives provide excellent protection against adhesive wear for cams, camshaft and bearings. Taro XL Series lubricants also provide a high degree of water tolerance and antifoam protection.

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### Detergent/Dispersant Properties

- Keeps crankcases and oil control rings clean.
- Prevents deposit formation throughout the engine.
- Reduces lube oil filter blockage.
- Effectively handles insolubles.

### Oxidation Stability

- Oxidation inhibitors protect the oil against high thermal stresses, protect engine parts from corrosion and reduce undercrown deposits while promoting extended lubricant life.

### Rust Prevention

- Prevents corrosion of engine parts when the engine is not in operation.

### Balanced Additive Combination

- Provides minimum maintenance and downtime, long engine life and economical operating costs.

## Typical test data

TARO XL SERIES	RESULTS	
TEST	Taro 40 XL 40(X)*	Taro 50 XL 40(X)*
Product Name	Taro 40 XL 40(X)*	Taro 50 XL 40(X)*
SAE Viscosity Grade	40	40
Base number, mg KOH/g	40	50
Density, 15 °C, kg/l	0.91	0.92
Flash Point COC, °C	240	240
FZG test (A/8.3/90) failure load stage	12	12
Pour Point, °C	-12	-12
Sulphated Ash, %mass	4.9	5.9
Viscosity Kinematic		
- at 40 °C, mm <sup>2</sup> /s (cSt)	135	135
- at 100 °C, mm <sup>2</sup> /s (cSt)	14.0	14.0
Viscosity index	100	100



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*continued*

\* Depending on the port designated, products may be delivered **with or without the (X) identifier** – e.g., Taro 40 XL 40X or Taro 40 XL 40 – however, the products and typical test data both with or without the (X) identifier **are miscible and fully compatible**.

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.

**Disclaimer** Chevron accepts no liability for any loss or damage suffered as a result of using this product for any application other than applications specifically stated in any Product Data Sheet's.

**Health, safety, storage and environmental** Based on current available information, this product is not expected to produce adverse effects on health when used for the intended application and in accordance with the recommendations provided in the Material Safety Data Sheet (MSDS). MSDS's are available upon request through your local sales office, or via the Internet. This product should not be used for purposes other than its intended use. When disposing of used product, take care to protect the environment and follow local legislation.

For more information, go to [www.chevronlubricants.com](http://www.chevronlubricants.com)

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