

Taro[®] XL Series

Medium-speed engine oils



Product description

Taro[®] XL Series lubricants are high-performance, high-BN, diesel engine oils for medium-speed trunk piston diesel engines fueled by residual fuels to a maximum Sulphur level of 4.5%.

Customer benefits and product features

Customer benefits

Helps Wear Protection

High BN levels control cylinder liner wear effectively and help to protect bearings from corrosion. High-performance, anti-wear 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 properties.

Detergent/Dispersant Properties

The specially formulated detergent and dispersant additive system provides outstanding piston cleanliness as well as control of fuel contaminants. This contributes to the reduction of both "hot" (piston lands and grooves, piston under-crown, purifier preheaters) and "cold" (crankcase, cambox, rocker area, fuel pumps, purifier bowl) deposits.

Oxidation Stability

Oxidation inhibitors help to protect the oil against high thermal stresses and the engine parts from corrosion and reduce under-crown deposits while promoting lubricant life.

Rust Prevention

Helps prevent corrosion of engine parts when the engine is not in operation.

Balanced Additive Combination

Contributes to minimal maintenance and downtime, long engine life and economical operating costs.

Product features

- 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 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 help prevent corrosive wear over long periods of operation.
- Taro[®] XL Series lubricants provide a high degree of water tolerance and have good water separation and base retention properties.

Applications

- 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%.

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Product approvals, performance and recommendations

Performance standards

Taro[®] XL series is developed by Chevron and tested in the field to show they meet the requirements of major OEMs, including the following:**

- Wärtsilä
- MAN Energy Solution
- Daihatsu
- Hyundai Himsen
- MAK (Caterpillar)
- Mitsui
- Niigata
- Rolls-Royce (Bergen)
- Yanmar

** Refer to Chevron Technical Representative for more information and consult OEM representatives for independent verification, updates and recommendations.

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Medium-speed engine oils continued



Typical test data

TARO [®] XL SERIES KEY PROPERTIES	RESULTS		
Product Name	Taro [®] 40 XL 40*	Taro [®] 50 XL 40*	Taro [®] 60 XL 40*
SAE Viscosity Grade	40	40	40
Product Code	560062	560064	560065
Base number, mg KOH/g	40	50	60
Density, 15 °C, kg/l	0.91	0.92	0.92
Flash Point COC, °C	240	240	240
FZG test (A/8.3/90) failure load stage	12	12	12
Pour Point, °C	-12	-12	-12
Sulphated Ash, %mass	4.9	5.9	7.3
Viscosity Kinematic			
- at 40 °C, mm ² /s (cSt)	135	135	135
- at 100 °C, mm ² /s (cSt)	14.0	14.0	14.0
Viscosity index	100	100	100

*Taro[®] XL series are fully compatible and miscible with or without (x) identifier.

This bulletin was prepared in good faith from the best information available at the time of issue. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. It is the responsibility of the user to ensure that the products are used in the applications for which they are intended. Produced by Chevron Global Lubricants: Asia Pacific.

ENVIRONMENT, HEALTH and SAFETY. Information is available on this product in the Material Safety Data Sheet (MSDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. To obtain a MSDS for this product, visit the [Product Information Center](#).

This Product Data Sheet (PDS) was produced for the Asia Pacific region based on the best available information at the time of issue. The specific information included may not directly reflect the market or conditions, and may vary. For the most up-to-date, country-specific information, please contact your local customer service center.

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