



TARO[®] ULTRA ADVANCED 40

PRODUCT DESCRIPTION

Taro[®] Ultra Advanced 40 is the latest addition to Chevron Marine Lubricants' range of cylinder oils meeting the highest performance standards. Taro Ultra Advanced 40 is designed to provide improved marine engine protection over previous generations of low Base Number (BN) formulations. It is blended with highly refined base oils and carefully-selected additives to help provide strong ring and linear wear protection, and piston cleanliness in large bore, low speed crosshead engines.

CUSTOMER BENEFITS

Taro Ultra Advanced 40 delivers value through:

- **Engine protection** — Designed to keep pistons clean at moderate BN and oil ash level, eliminating the need to alternate with cylinder oils of higher and lower BN to help maintain cleanliness.
- **Engine exhaust cleanliness** — Operation with a lower sulfated ash lubricant can help reduce accumulation of oil ash in scavenge space, on exhaust valves, turbocharger and other components in the exhaust system such as economizer and critical exhaust gas after treatment systems as SCR, EGR, DPF.
- **Storage stability** — Stable at ambient temperatures and during long-term storage.
- **Compatibility** — Miscible and compatible with diesel cylinder lubricants generally known to the international marine trade.

FEATURES

Taro Ultra Advanced 40 is formulated to offer enhanced piston and piston ring pack cleanliness and linear wear protection as a result of high dispersant and detergent effectiveness, at moderate BN levels. It also protects the latest engine designs operating on fuels with sulfur content of 0.5% and lower from wear and corrosion.

Product(s) manufactured in the USA.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

A **Chevron** company product

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APPLICATIONS

Taro Ultra Advanced 40 is recommended for cylinder lubrication of the latest generation large, low-speed marine diesel engines equipped with exhaust abatement technologies operating with a range of low and up to zero sulphur fuels, including VLSFO, ULSFO, LNG and methanol. Taro Ultra Advanced 40 should be used in accordance with OEM guidelines and recommendations.

Taro Ultra Advanced 40 is approved for:

- **MAN Energy Solutions (Category II cylinder oils)**

TYPICAL TEST DATA

Base Number	40
Product Number	219040
SDS/MSDS Number	57986
Density at 15°C, kg/L	0.92
Viscosity, Kinematic mm ² /s at 100°C	19
Viscosity Index	95
Flash Point, °C(°F)	220°C min
Pour Point, °C(°F)	-15°C
Base Number, mg KOH/g (ASTM D2896)	40

Minor variations in product typical test data are to be expected in normal manufacturing.