

Taro[®] Ultra 100

Low-speed engine oils



Product description

Taro[®] Ultra is a new range of cylinder lubricants specifically designed to cope with the demands and required flexibility for IMO 2020. Taro Ultra cylinder lubricants have been fully field tested using a wide variety of fuels expected to be available post IMO 2020 implementation and are approved by major OEMs.

Taro Ultra 100 is a 100 Base Number (BN) cylinder lubricant specially formulated to combat the effects of cold corrosion in two-stroke / low-speed crosshead diesel engines equipped with exhaust abatement technologies running on heavy fuel oil, under all loads and operating conditions.

Customer benefits and product features

Customer benefits

- **Engine protection**
Effective acid neutralization helps ensure protection against excessive cylinder liner and piston ring wear resulting from the use of high sulphur heavy fuel oils to help extend cylinder liner and piston ring life.
- **Engine cleanliness**
Designed to prevent ring sticking and minimize deposit formation on the pistons and throughout the combustion chamber exhaust areas.
- **Storage stability**
Stable at ambient temperature and during long-term storage.
- **Compatibility**
Compatible with diesel cylinder lubricants generally known to the international marine trade.
- **Operating cost**
If oil feedrate is above minimum recommended by OEM, there is potential to move to a higher base number formulation to provide the same level of alkalinity and corrosion protection but at lower feedrates, therefore helping to reduce operating cost.

Product features

- Taro Ultra 100 is blended with highly refined base oils and carefully selected additives to provide excellent ring and liner wear protection and piston cleanliness in low-speed crosshead diesel engines.

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Applications

Taro Ultra 100 is recommended for lubricating the cylinders of the latest generation large two-stroke / low-speed crosshead diesel engines equipped with exhaust abatement technologies operating with heavy fuel oil, under all loads and corrosive operating conditions.

Taro Ultra 100 should be used in accordance with OEM guidelines and recommendations.

Approvals, performance and recommendations

TARO [®] ULTRA 40	SAE 50
Everlence (formerly MAN ES) Large Diesel Engines	A
Winterthur Gas & Diesel Large Diesel Engines	A

A: Approval / No objection letter by OEM

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Typical test data

TARO [®] ULTRA 100	TEST METHOD	RESULT
SAE Grade		50
Product Code		560110
Base Number, mg KOH/g	ASTM D2896	100
Density at 15 °C, (Kg/L)	ASTM D4052	0.94
Flash Point COC, °C	ASTM D92	220 min
Pour Point, °C	ASTM D97	-12
Kinematic Viscosity at 100°C, mm ² /s	ASTM D445	19

0426

ENVIRONMENT, HEALTH, and SAFETY. Information is available on this product in the Safety Data Sheet (SDS) 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 an SDS for this product, visit the Product Information Center.

This Product Data Sheet (PDS) was produced for the Asia-Pacific region in good faith from the best information available at the time of issue. The specific information included may not directly reflect the local market or conditions. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. For the most up-to-date, country-specific information, please contact your local customer service center.

Customers should 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.

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