Taro® Ultra Advanced 40

2-stroke slow speed engine oil

Product Description

Taro® Ultra Advanced is a new range of slow-speed marine engine 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 a major OEM.

Taro Ultra Advanced 40 is the latest addition to Chevron's marine engine cylinder oils range. It is a 40 Base Number (BN) cylinder lubricant, designed for lubricating the latest generation two-stroke / slow-speed crosshead diesel engines running on low sulphur fuels.

Customer benefits and product features

Customer benefits

- **Engine Protection**
  Designed to keep pistons clean at moderate BN and oil ash levels, helping to avoid the need to alternate with cylinder oils of higher and lower BN to help maintain cleanliness. Anti-seizure properties help minimize the risk of scuffing and increase thermal stability to minimize deposit build up. The lubricant is formulated to help prevent ring sticking and protect against corrosive wear for a range of low and zero sulphur fuels including VLSFO, ULSFO, LNG and methanol.

- **Engine exhaust cleanliness**
  Operation with a lower sulfated ash lubricant can help reduce accumulation of oil ash in scavenge space, on exhaust valves, turbochargers, 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**
  Compatible with diesel cylinder lubricants that are generally known to the international marine trade.

Product features

- Taro Ultra Advanced 40 is blended with highly refined base oils and carefully selected additives to provide excellent ring and liner wear protection and piston cleanliness in slow speed crosshead diesel engines.

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Applications

Chevron recommends Taro Ultra Advanced 40 for lubricating the cylinders of large two-stroke / slow-speed crosshead diesel engines continuously using low to no sulphur fuel inclusive of fuels such as VLSFO, ULSFO, LNG and methanol. Taro Ultra Advanced 40 should be used in accordance with OEM guidelines and recommendations.

Approvals, performance and recommendations

TARO® ULTRA ADVANCED 40	
MAN Energy Solutions: Large Diesel Engines	Approved

Consult OEM representatives for independent verification, updates and recommendations

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Typical Test Data

Taro® Ultra Advanced	TEST METHOD	RESULTS
Product Code		**560119**
Base Number, mg KOH/g	ASTM D2896	**40**
Density, 15 kg/L	ASTM D4052	0.92
Flash Point COC, °C	ASTM D92	270
Kinematic Viscosity, mm²/s @ 100°C	ASTM D445	19
Pour Point, °C	ASTM D97	-15

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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 Africa, Middle East and Pakistan 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.

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