



Taro[®] Ultra 140

Slow-speed engine oils

Product Data Sheet

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 140 is a 140 Base Number (BN) cylinder oil specially formulated for use in high corrosion environments. As an ultra-high base number cylinder lubricant, this product is created for the latest type of highly efficient two-stroke / slow-speed crosshead engines which have an increased tendency to develop cold corrosion inside the cylinder than the older, less efficient installations. Taro Ultra 140 provides the same level of alkalinity and corrosion protection as Taro Ultra 100 at lower feedrates, therefore helping to reduce operating costs. Taro Ultra 140 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.

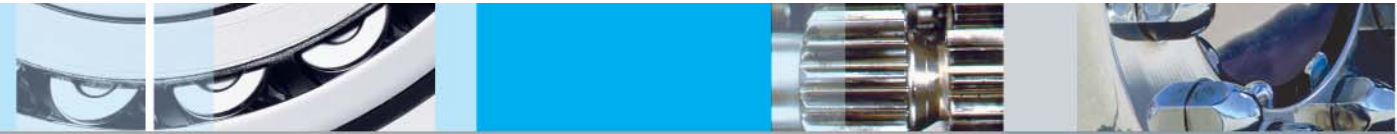
Performance benefits

- **Engine Protection**
Effective acid neutralization ensures protection against excessive cylinder liner and piston ring wear resulting from the use of high sulphur heavy fuel oils, thus extending cylinder liner and piston ring life.
- **Engine Cleanliness**
Prevents ring sticking and minimizes 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

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- **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 reducing operating cost.

Recommended uses

Taro Ultra 140 is recommended for lubricating the cylinders of the latest generation large two-stroke / slow-speed crosshead diesel engines equipped with exhaust abatement technologies operating with heavy fuel oil, under all loads and very corrosive operating conditions. The base number of Taro Ultra 140 makes this product ideal for use in engine types and under operating conditions which are sensitive to cold corrosion in the cylinder. Taro Ultra 140 should be used in accordance with OEM guidelines and recommendations. Taro Ultra 140 can also be used in combination with Taro Ultra 25 in MAN Energy Solutions diesel engines equipped with Automated Cylinder Oil Mixing (ACOM).

Performance standards

Taro Ultra 140 is approved against:

- MAN Energy Solutions
- Winterthur Gas & Diesel (formerly Wärtsilä Switzerland)



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continued

Typical test data

TARO ULTRA 140 TEST	RESULTS
SAE Viscosity Grade	50
Product Code	560111
Base number, mg KOH/g	140
Density, 15 °C, kg/l	0.98
Flash Point COC, °C	180 min
Pour Point, °C	-12
Kinematic Viscosity at 100 °C, mm ² /s (cSt)	19

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 Lubricants; Africa, Middle East and Pakistan.

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 www.caltexoils.com.

For more information, go to www.chevronlubricants.com