



marine products

Taro® Ultra 140(A)



Description

The Taro® Ultra range of cylinder lubricants is specifically designed to meet the demands and required flexibility for IMO 2020 compliance. 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 engine manufacturers.

Taro Ultra 140* and Taro Ultra 140A* (hereafter referred to as Taro Ultra 140(A)) are 140 Base Number (BN) cylinder oils specially formulated for use in highly corrosion environments. As ultra-high base number cylinder lubricants, these products are designed for the latest generation of highly efficient two-stroke engines, which have an increased tendency to develop cold corrosion in the cylinder compared to older, less efficient installations.

Taro Ultra 140(A) provides the same level of alkalinity and corrosion protection as Taro Ultra 100, but at lower feed rates, thereby helping to reduce operating costs.

Taro Ultra 140(A) 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.

Typical Characteristics

SAE Viscosity Grade	50
MPID	219037
Base number, mg KOH/g (ASTM D2896)	140
Density at 15°C, kg/L (ASTM D4052)	0.98
Density at 15°C, lb/gal (US) (ASTM D4052)	8.18
Flash point, COC, °C (ASTM D92)	220 min
Pour point, °C (ASTM D97)	-15
Kinematic Viscosity at 100°C, mm ² /s (ASTM D445)	19.0

Recommended Applications

Taro Ultra 140(A) is recommended for lubricating the cylinders of the latest generation large, low-speed marine diesel engines equipped with exhaust abatement technologies operating with heavy fuel oil under all load conditions and highly corrosive operating conditions.

The base number of Taro Ultra 140(A) makes this product ideal for use in engine types and under operating conditions that are sensitive to cold corrosion in the cylinder.

Taro Ultra 140(A) should be used in accordance with OEM guidelines and recommendations.

Taro Ultra 140(A) is approved for:

Everlence (formerly MAN ES) **(Category II cylinder oils)** **Win GD** (formerly Wärtsilä)

* Depending on the port designated, products may be delivered with or without the (A) identifier (e.g., Taro Ultra 140 or Taro Ultra 140A). However, products and typical test data, with or without the (A) identifier, are miscible and fully compatible.

**marine products****Performance Benefits****1. Engine Protection**

Acid neutralization helps protect 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.

2. Engine Cleanliness

Prevents ring sticking and helps minimize deposit formation on the pistons and throughout the combustion chamber exhaust areas.

3. Storage Stability

Stable at ambient temperatures and during long-term storage.

4. Compatibility

Miscible and compatible with diesel cylinder lubricants generally known to the international marine trade.

5. Operating cost

Ultra-high base number formulation provides the same level of alkalinity and corrosion protection at lower feedrates, reducing operating cost.

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 chevronmarineproducts.com.



Disclaimer. Data provided in this PDS is based on standard tests under laboratory conditions and is indicative only. Minor variations which do not affect product performance are expected in normal manufacturing. This product should not be used for any purpose other than those expressly set out in this PDS. The user has sole responsibility for verifying that this product is suitable for the user's intended application. Recommendations differ between engine manufacturers so always consult your manual. Neither Chevron nor its subsidiaries make any warranty or representation as to the accuracy or completeness of this PDS and neither Chevron nor its subsidiaries accept liability for any loss or damage suffered as a result of the use of this product other than in accordance with the terms of this PDS.