



# Taro<sup>®</sup> Ultra Advanced 40

## Low-speed engine oils

Product Data Sheet

### Customer benefits

#### 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. Antiseizure properties help minimize the risk of scuffing and increase thermal stability to minimize the deposit build up. Formulated to prevent ring sticking. Designed to help protect against corrosive wear for a range of low and zero sulphur fuels including VLSFO, ULSFO, LNG and methanol.

#### Engine 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 temperature and during long-term storage.

#### Compatibility

Miscible and compatible with diesel cylinder lubricants commonly used in the international marine trade.

### 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.

### Performance standards

Taro Ultra Advanced 40 is approved against:

- MAN Energy Solutions (Category II cylinder oils)

### Product features:

- **Taro<sup>®</sup> Ultra Advanced 40** is the latest addition to Chevron Lubricants' range of cylinder oils meeting the highest performance standards. Taro Ultra Advanced 40 is designed to provide improved marine engine protection over previous generation of low Base Number (BN) formulations.
- **Taro<sup>®</sup> Ultra Advanced 40** is a high performance, 40 Base Number (BN) cylinder lubricant specially formulated to protect the latest engine designs operating on fuels with sulfur content of 0,5% and lower from wear and corrosion. Taro Ultra Advanced 40 is blended with highly refined base oils and carefully selected additives to help provide strong ring and liner wear protection and piston cleanliness in large bore low speed crosshead engines.

A Chevron company product



Our Family of Brands



continued

## Typical test data

| TARO® ULTRA ADVANCED 40  | RESULTS |
|--|---------|
| Typical Shelf Life: 48 months from date of filling indicated on the product label* |         |
| SAE Viscosity Grade  | 50      |
| Product Code   | 563014  |
| Base number, mg KOH/g  | 40      |
| Density, 15 °C, kg/l   | 0.92    |
| Flash Point COC, °C  | 220 min |
| Pour Point, °C   | -15     |
| Kinematic Viscosity,<br>@ 100°C, mm <sup>2</sup> /s (cSt)                          | 19.0    |

\* Typical Shelf Life: (a) if stored under normal conditions and (b) can be extended after re-testing.

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 Global 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](http://www.caltexoils.com).

For more information, go to [www.chevronlubricants.com](http://www.chevronlubricants.com)

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