



Taro® Special HT LS 40

Slow-Speed Engine Oils

Product Data Sheet

Customer benefits

Wear Protection

Ensures protection against excessive cylinder liner and piston ring wear. The sulphur in marine fuels forms corrosive acidic products during combustion, even when its level is low. These acidic products not only attack engine parts like cylinder liners and piston rings, but also impair lubricating qualities of the oil. The base in Taro Special HT LS 40, provided by the alkaline additives, neutralizes the acidic products, thereby reducing wear and extending cylinder liner and piston ring life, thus allowing prolonged service intervals.

Detergent/Dispersant Properties

Prevents ring sticking and minimizes deposit formation throughout the combustion chamber areas. This means extended maintenance intervals, and trouble-free operation with reduced maintenance costs.

Excellent Lubrication Properties

Maintains an oil film under severe, high load conditions, thereby reducing frictional wear and preventing scuffing of liners, pistons and rings.

Storage Stability

A homogeneous product, completely stable at all ambient temperatures. Will not separate or deteriorate in long-term storage.

Compatibility

Fully miscible and compatible with recognized competitive alkaline cylinder lubricants generally known to the international marine trade.

Applications

Taro Special HT LS 40 is recommended for the cylinder lubrication of all crosshead-type marine diesel engines continuously using low sulphur fuel and operating at high specific power outputs and high thermal loads. Running on low sulphur fuel requires the reduction of base introduced into the cylinder. This can be achieved by optimizing the oil feed rate or selecting a diesel cylinder lubricant with a lower base number. Taro Special HT LS 40 has been approved by MAN B&W and Wärtsilä for use in the latest generation engine designs.

Product features:

- Taro® Special HT LS 40 is a high-performance 40 BN SAE 50 cylinder lubricant particularly intended for cylinder lubrication of the latest generation crosshead engines using low sulphur fuel (<1.5 to 2 wt% sulphur) and operating at very high mechanical and thermal loads reaching up to 160 bar in maximum cylinder pressure and up to 270 degrees Celsius in liner temperature at top dead centre.

Taro® Special HT LS 40 is blended from highly refined, paraffinic base oils and carefully selected additives to provide superior ring and liner wear protection and excellent piston cleanliness in low-speed crosshead engines.

Taro® Special HT LS 40 has been developed specifically for high-pressure and high-temperature applications.



Product specifications

TARO® SPECIAL HT LS 40 KEY PROPERTIES	
SAE Grade	50
Product Code	560416
Base No., D2896, mg KOH/g	40
Pour Point, °C	-15
Sulfated Ash, m %	5.1
Viscosity, Kinematic	
mm ² /s @ 40°C	247
mm ² /s @ 100°C	21.0
Viscosity Index	100

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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:

www.caltexoils.com.

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

- Asia Pacific