



# Taro<sup>®</sup> 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, thus allowing prolonged service intervals.
- **Detergent-Dispersant Properties**  
Prevents ring sticking and minimizes deposit formulation throughout the combustion chamber exhaust areas.
- **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**  
Completely stable at all ambient temperatures. Will not separate or deteriorate in long term storage.
- **Compatibility**  
Fully miscible and compatible with single-phase alkaline diesel cylinder lubricants generally known to the international marine trade.

### Applications

Taro<sup>®</sup> Special HT LS 40 is recommended for lubricating the cylinders of all slow-speed marine diesel engines continuously using low sulphur fuel (<1.5 to 2%) and operating at high specific power outputs and high thermal loads. Running on lower 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 that has been specially optimized to a lower base number.

Taro<sup>®</sup> Special HT LS 40 has been approved by MAN Diesel & Turbo for use in large diesel engines and by Wartisila for use in OEM specific engines.

### Product description:

Taro<sup>®</sup> Special HT LS 40 is a high-performance 40 BN SAE 50 cylinder lubricant particularly intended for lubricating the cylinders of the latest generation slow-speed 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 upto 270 degree celsius in liner temperature at top dead center.

It 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 slow-speed crosshead engines. Taro Special HT LS 40 has been developed specifically for high-pressure and high-temperature applications.

A Chevron company product



## Typical key properties

TARO SPECIAL HT LS 40	RESULTS
SAE Grade	50
Product Number	560416
Base No., D2896, mg KOH/g	40
Pour Point, °C	-15
Sulphated Ash, m%	5.1
Viscosity, Kinematic	
mm <sup>2</sup> /s @ 40°C	247
mm <sup>2</sup> /s @ 100°C	21.0
Viscosity Index	100

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.

Produced by Chevron Lubricants; Africa, Middle East and Pakistan.

**Disclaimer** Chevron accepts no liability for any loss or damage suffered as a result of using this product for any application other than applications specifically stated in any Product Data Sheet's.

**Health, safety, storage and environmental** Based on current available information, this product is not expected to produce adverse effects on health when used for the intended application and in accordance with the recommendations provided in the Material Safety Data Sheet (MSDS). MSDS's are available upon request through your local sales office, or via the Internet. This product should not be used for purposes other than its intended use. When disposing of used product, take care to protect the environment and follow local legislation. To obtain a MSDS for this product, visit [www.chevronlubricants.com](http://www.chevronlubricants.com).

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