

# Taro® DP Series

Medium-speed engine oils



## Product description

Taro® DP Series lubricants are high-performance, medium- to high-BN, diesel engine oils for medium and high-speed trunk piston diesel engines.

## Customer benefits and product features

### Customer benefits

- **Wear Protection**  
Optimum BN levels control cylinder liner wear effectively and help protect bearings from corrosion. High-performance, anti-wear additives provide excellent protection against adhesive wear for cams, camshaft and bearings. Taro® DP Series lubricants also provide a high degree of water tolerance and antifoam properties.
- **Detergent/Dispersant Properties**  
The specially formulated detergent and dispersant additive system provide outstanding piston cleanliness as well as control of fuel contaminants. This contributes to the reduction of both “hot” (piston lands and grooves, piston under-crown, purifier preheaters) and “cold” (crankcase, cambox, rocker area, fuel pumps, purifier bowl) deposits.
- **Oxidation Stability**  
Oxidation inhibitors help to protect the oil against high thermal stresses and the engine parts from corrosion and reduce under-crown deposits while promoting lubricant life.
- **Rust Prevention**  
Helps prevent corrosion of engine parts when the engine is not in operation.

### Product features

- Taro 20 DP can also be used in combination with marine diesel or gas oil. Taro® DP Series lubricants are blended from high-quality base oils and additives that provide an extra margin of protection against ring sticking, piston deposits and wear under severe operating conditions.
- Taro DP Series lubricants have very good viscosity control when used in severe high- temperature service, and their excellent BN retention characteristics help prevent corrosive wear over long periods of operation.
- Taro DP Series lubricants provide a high degree of water tolerance and have good water separation and base retention properties.

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## Applications

Taro DP Series lubricants are recommended by Chevron for all types of trunk piston diesel engines burning;

- 1) marine diesel oil or low sulphur heavy fuels with a sulphur content up to 2% [Taro 20 DP]; or
- 2) residual fuels with a maximum sulphur level of 4% [Taro<sup>®</sup> 30 DP].

## Product approvals, performance and recommendations

Taro DP series is developed by Chevron and tested in the field to show they meet the requirements of major OEMs, including the following:\*\*

- Wärtsilä
- MAN Energy Solution
- Daihatsu
- Hyundai Himsen
- MAK (Caterpillar)
- Mitsui
- Niigata
- Rolls-Royce (Bergen)
- Yanmar

\*\* Refer to Chevron Technical Representative for more information and consult OEM representatives for independent verification, updates and recommendations.

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## Typical test data

TARO® DP SERIES	RESULTS			
Product Name	Taro 20 DP 30*	Taro 20 DP 40*	Taro 30 DP 30*	Taro 30 DP 40*
SAE Viscosity Grade	30	40	30	40
Product Code	560048	560049	560059	560060
Base number, mg KOH/g	20	20	30	30
Density, 15 °C, kg/l	0.90	0.90	0.90	0.90
Flash Point COC, °C	240	240	240	240
FZG test (A/8.3/90) failure load stage	12	12	12	12
Pour Point, °C	−12	−12	−12	−12
Sulphated Ash, %mass	2.5	2.5	3.7	3.7
Viscosity Kinematic				
- at 40 °C, mm <sup>2</sup> /s (cSt)	95	135	95	135
- at 100 °C, mm <sup>2</sup> /s (cSt)	11.0	14.0	11.0	14.0
Viscosity index	100	100	100	100

\*Taro® DP series are fully compatible and miscible with or without (x) identifier.

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 the Product Information Center.

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