

Make waves with performance.

# CORAL 3012/4012

TBN -12 Marine Oil



## Product Data Sheet

**byco**

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Byco Coral (3012/4012) is a premium quality multi-functional diesel engine oil that is specially designed for use in high specific output medium-speed trunk piston engines burning high sulfur residual fuels (over 1% sulfur) under severe conditions in marine or stationary service.



### Applications

- Medium-speed trunk piston engines including latest designs in stationary power generation.
- Medium-speed trunk piston engines (marine service).
- Cylinder lubrication in certain trunk piston engines (with separate lubricators that supplement splash lubrication from the crank case).

### Performance Level

- API CF

### Benefits

- **Reduces Maintenance Costs**  
The detergent/dispersant additive system provides exceptional engine cleanliness by controlling “black sludge”, that can adversely affect both operation and maintenance in newer design engines.
- **High Power Outputs**  
Outstanding thermal and oxidation stability assist the detergent/dispersant additive system in providing excellent control of high temperature deposits in area such as the under crown of the piston and the piston ring belt area, enabling piston rings to function effectively.
- **Prolongs Oil Change-Out Periods**  
The high Base Number and superior alkalinity retention characteristics maintain sufficiently high TBN under all service conditions to ensure corrosive acids formed by the combustion of fuel sulfur are effectively neutralized, thereby minimizing liner wear.
- **Efficient Purifying System Performance**  
The detergent/dispersant additive system effectively controls insoluble. Excellent water separation characteristics enable water to be centrifuged out with essentially no loss of additive.

### Key Properties

SAE Grade	30	40	Test Method
Base No D2896 mg KOH/g	12	12	ASTM D-2896
Sulphated Ash% wt	1.35	1.35	ASTM D-874
Viscosity@40°C mm <sup>2</sup> /s	110	159	ASTM D-445
Viscosity@100°C mm <sup>2</sup> /s°C	11.9	15.3	ASTM D-445
Viscosity Index	96	97	ASTM D-2270
Pour Point°C	- 18	- 18	ASTM D-97
Flash Point°C	200	225	ASTM D-92

Note: The typical characteristics are given as a guide only and may vary according to latest production according to ISO.



### ENVIRONMENTAL, HEALTH & SAFETY

Environmental, Health & Safety Information of this product is available in Byco Material Safety Data Sheet (MSDS). Customers are encouraged to review this information, follow precautions and complying with the guidelines in consuming of the product, its use and disposal.