

Make waves with performance.

CORAL 4040

TBN -40 Marine Oil



Byco Coral 4040 marine engine oil is high alkaline reserve trunk piston engine oil (TPEO) designed for use in high specific output medium-speed trunk piston engines burning high sulfur residual fuels (over 2.5% sulfur) under severe conditions in marine or stationary service. It provides extra alkalinity to effectively neutralize acidic products of combustion when on heavy residual fuels and crude oil. It also provide high level of detergency to keep pistons and piston rings free of deposits.



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 which supplement splash lubrication from the crank case).

Performance Level

- API CF

Benefits

- **Prolongs Oil Change-Out Periods**
The high Base Number (BN) and superior alkalinity retention characteristics maintain sufficiently high BN under all service conditions to ensure corrosive acids formed by the combustion of fuel sulfur are effectively neutralized, thereby minimizing liner wear.
- **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 areas such as the under crown of the piston and the piston ring belt area, enabling piston rings to function effectively.
- **Efficient Purifying System Performance**
The 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	40	Test Method
Base No. mg KOH/g	40	ASTM D-2896
Sulfated Ash m%	5	ASTM D-874
Viscosity@40°C mm ² /s	152	ASTM D-445
Viscosity@100°C mm ² /s	15.16	ASTM D-445
Viscosity Index	100	ASTM D-2270
Flash Point COC°C	250	ASTM D-97
Pour Point°C	- 12	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.

Product Data Sheet

byco

BYCO PETROLEUM PAKISTAN LIMITED
9th Floor, The Harbour Front, Dolmen City HC-3,
Block 4, Marine Drive, Clifton, Karachi - 75600, Pakistan

UAN: (+92 21) 111 222 081

FAX: (+92 21) 111 888 081

Email: customer-care@byco.com.pk

www.byco.com.pk