



Product Name: SEGLÜR SAE 50 TBN 50 API CF

Application: Marine Truck Piston Engine Oil

Quality: High-BN Crankcase Lubricant for Medium-Speed Diesel Engines

Product Overview

SEGLÜR SAE 50 TBN 50 API CF is a **high-performance, high-base number (BN 50)** trunk piston engine oil designed for use in **medium-speed marine and industrial diesel engines** operating on **residual fuel oils** under very high thermal and mechanical stress. Formulated using high-quality base oils and advanced detergent-dispersant additive technology, it ensures excellent deposit control, outstanding resistance to contamination, and enhanced engine cleanliness

Application

- Crankcase lubrication of **marine propulsion and auxiliary engines** operating on **residual fuels**
- Suitable for **low and very low oil consumption** engines
- Can also be used in marine gearboxes, bearings, and stern tubes where SAE 50 oil is specified
- Compatible with certain medium- and high-speed engines burning **distillate fuels**, requiring high BN oils

Performance Benefits

- Excellent protection against corrosion, especially from acidic combustion by-products in residual fuel
- High thermal and oxidation stability for long oil life in hot engine environments
- Strong detergency to prevent piston under-crown and ring groove deposits
- Excellent viscosity control – resists thickening from contaminants
- Reduces maintenance costs through cleaner engine operation
- Excellent wear protection even at extended oil drain intervals
- Maintains oil film strength under high load and pressure conditions.

Recommended For:

- **Heavy-duty marine diesel engines** operating under high oil stress
- **Industrial stationary diesel engines** in power generation and offshore installations
- Systems requiring **API CF** performance with high alkalinity reserve (TBN 50)

Meets and approvals:

- **API CF**
- Suitable for use where lubricants with **high TBN and ash content** are recommended
- Meets performance needs of **engine builders** such as MAN, Wärtsilä, MAK, and Pielstick for older-generation residual-fueled engines





Typical Properties

| Property | Method | Typical Value |
|------------------------------|------------|-------------------------|
| SAE Viscosity Grade | SAE J300 | 50 |
| Density @ 15 °C | ASTM D4052 | 0.921 g/cm ³ |
| Kinematic Viscosity @ 40 °C | ASTM D445 | 135 mm ² /s |
| Kinematic Viscosity @ 100 °C | ASTM D445 | 14 mm ² /s |
| Viscosity Index | ASTM D2270 | 100 |
| Flash Point (COC) | ASTM D92 | 230 °C |
| Pour Point | ASTM D97 | -18 °C |
| Total Base Number (TBN) | ASTM D2896 | 50 mg KOH/g |
| Sulphated Ash | ASTM D874 | 6.1 % wt |
| FZG Load Stage | IP 334 | 11 |

Storage & Handling

- Store in a cool, dry place away from direct sunlight
- Keep containers tightly sealed
- Avoid contamination with water or other lubricants

Health, Safety, and Environment

- Refer to SDS (Safety Data Sheet) before use
- Avoid contact with eyes or prolonged skin exposure
- Do not dispose of used oil in water bodies or drains – recycle through authorized facilities

