

AVIN Marine Series

Crankcase Cylinder Oils



Technical Data Sheet

NEPTUNE 80 SAE 50

Description

NEPTUNE OIL 80 is a superior quality, high-alkaline cylinder oil for the lubrication of slow-speed, cross-head marine diesel engines using HFO fuels. It surpasses the requirements of a wide range of engines operating under slow steaming conditions.

NEPTUNE 80 is formulated using high quality, high VI paraffinic base oils and a high alkaline detergent-dispersant additive system. NEPTUNE OIL 80 meets the requirements of OEMs, such as MDT, for new and modified engine designs against corrosive wear and scuffing.

Functional Characteristics

Excellent protection against corrosive wear and scuffing by neutralizing sulfur acids, especially under slow steaming. Excellent oxidation resistance at high temperatures and high levels of detergency, alkalinity, and load carrying ability.

Typical Use

NEPTUNE OIL 80 is suited for use in high-output crosshead engines using heavy-type residual fuels with a sulfur content >1,5%. NEPTUNE 80 (BN80) meets the most demanding technical requirements of all new and modified, turbo-charged crosshead engines in 'slow steaming' mode. It is recommended for its excellent detergency and dispersancy properties and superior thermal and oxidative stability resulting in cleaner piston and cylinder liner conditions.

Typical Characteristics

NEPTUNE OIL	80
SAE	50
Specific gravity at 15°C/4°C	0,933
Viscosity at 100°C, cst	19,5
Viscosity Index	90
Flash Point (C.O.C.), °C	>230
Pour Point, °C	-13
TBN	80