

# AVIN Marine Series

## Crankcase Cylinder Oils



## Technical Data Sheet

### NEPTUNE 100 SAE 50

MAN DIESEL & TURBO (MDT) NOL

#### Description

**NEPTUNE OIL 100** is a technology and superior quality, high alkalinity MCL 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 especially under slow steaming conditions.

NEPTUNE 100 is engineered with quality, high VI base oils and a high alkaline detergent-dispersant additive system. It easily surpasses the requirements of major OEMs for their new and modified engine types 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 100 is recommended for use as cylinder oils in high-output crosshead engines using heavy-type residual fuels with a sulfur content >2,0%. NEPTUNE 100 (BN100) 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

<b>NEPTUNE OIL</b>	<b>100</b>
SAE	<b>50</b>
Specific gravity at 15°C/4°C	0,952
Viscosity at 100°C, cst	21,0
Viscosity at 40°C, cst	242,0
Viscosity Index	90
Flash Point (C.O.C.), °C	>230
Pour Point, °C	-14
TBN	<b>100</b>