

AVIN Marine Series

Crankcase Cylinder Oils



Technical Data Sheet

NEPTUNE 40 SAE 50

MAN DIESEL & TURBO (MDT) NOL

Description

NEPTUNE OIL 40 is a superior quality, medium-alkaline cylinder oil for the lubrication of slow-speed, cross-head marine diesel engines using low sulfur residual type fuels. It is a superior performance diesel engine cylinder oil formulated to meet the requirements of a wide range of engines requiring a low sulfur MCL.

NEPTUNE OIL 40 is formulated using high quality, high VI paraffinic base oils and a moderate alkaline detergent-dispersant additive package. NEPTUNE OIL 40 is approved by MAN D&T.

Functional Characteristics

Excellent protection against corrosive wear by neutralizing and dissolving sulfur acids and minimizing port & piston deposits. Excellent oxidation resistance at high temperatures and high levels of detergency, alkalinity, and load carrying ability.

Typical Use

NEPTUNE OIL 40 is recommended for use as cylinder oil in high-output crosshead engines using moderate-type residual fuels with a sulfur content $\leq 1,5\%$. NEPTUNE 40 (BN40) meets the most demanding requirements of the latest types of turbo-charged crosshead engines operating at high outputs and thermal loads. It is recommended for engines operating under more moderate conditions, where a lower alkalinity oil is sufficient to provide for optimum performance.

Typical Characteristics

NEPTUNE OIL	40
SAE	50
Specific gravity at 15°C/4°C	0,919
Viscosity at 40°C, cst	231,0
Viscosity at 100°C, cst	19,4
Viscosity Index	90
Flash Point (C.O.C.), °C	245
Pour Point, °C	-9
TBN	40