

AVIN Marine Series

Crankcase Cylinder Oils



Technical Data Sheet

NEPTUNE 55 SAE 50; NEPTUNE 70 SAE 50

MAN DIESEL & TURBO (MDT) NOLs

Description

NEPTUNE OIL Series are superior quality, high-alkaline cylinder oils for the lubrication of slow-speed, cross-head marine diesel engines using heavy residual type fuels. This range of diesel engine cylinder oils is formulated to meet the requirements of a wide range of engines under a variety of operating conditions.

NEPTUNE OILS are formulated using high quality, high VI paraffinic base oils and high alkaline detergent-dispersant additive packages. NEPTUNE OILS are approved by MAN D&T.

Functional Characteristics

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

Typical Use

NEPTUNE OILS are recommended for use as cylinder oils in high-output crosshead engines using heavy-type residual fuels with a sulfur content >1,5%. NEPTUNE 70 (BN70) meets the most demanding requirements of the latest types of turbo-charged crosshead engines operating at high outputs and thermal loads. NEPTUNE 55 (BN55) is recommended for engines operating under more moderate conditions, where a lower alkalinity is sufficient to provide for optimum performance.

Typical Characteristics

NEPTUNE OIL	55	70
SAE	50	50
Specific gravity at 15°C/4°C	0,925	0,938
Viscosity at 40°C, cst	231	249,0
Viscosity at 100°C, cst	19,4	20,4
Viscosity Index	90	90
Flash Point (C.O.C.), °C	240	235
Pour Point, °C	-14	-14
TBN	55	70