



YOKOHAMA / YOKOMARIN

SAE 40

TECHNICAL DATA SHEET | TDS

WH SERIES | MARINE ENGINE OILS

PRODUCT DESCRIPTION

YOKOHAMA YOKOMARIN WH Series comprises SAE 40 crankcase oils for medium-speed, four-stroke trunk-piston marine diesel engines. BN 30, BN 40 and BN 55 options provide different alkaline reserve levels for engines operating on residual fuels. Detergency and oxidation-control properties support piston-area cleanliness, neutralization of combustion acids and protection of loaded engine surfaces.

APPLICATIONS

For main propulsion and auxiliary marine engines, and stationary power units with comparable trunk-piston lubrication, where SAE 40 and the corresponding BN level are specified. Choose the BN 30, BN 40 or BN 55 option to match the required alkaline reserve and fuel conditions.

KEY LUBRICATION FEATURES

SAE 40 single-grade crankcase lubrication BN 30, BN 40 and BN 55 options Piston and ring deposit control	Neutralization of combustion acids Oil-film protection under load Oxidation and corrosion control
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TYPICAL TECHNICAL CHARACTERISTICS

PROPERTY	TEST METHOD	TYPICAL VALUE		
		40/30	40/40	40/55
Kinematic viscosity at 40°C	ASTM D445	145.50	143.50	131.50
Kinematic viscosity at 100°C	ASTM D445	14.45	14.63	13.90
Viscosity index	ASTM D2270	100.60	100.50	102.50
Density at 15°C	ASTM D4052	905	910	920
Flash point, COC	ASTM D92	250	242	228
Pour point	ASTM D97	-13.20	-13.20	-15.00
Total base number (TBN)	ASTM D2896	30.25	40.11	55.25

Note: The values shown in this table are typical values and do not constitute product specifications. Minor variations may occur between production batches due to normal manufacturing tolerances.