

# MARWAY 4050

## Marine cylinder oil

### Product description

MARWAY 4050 is a trunk piston diesel engine oil recommended for heavily loaded marine engines operating on heavy oil with a high sulphur content, where an oil complying with TBN 40 and SAE 50 is required.

### Application areas

MARWAY 4050 is recommended for heavily loaded, low r.p.m. marine engines that operate on fuels with a high sulphur content, so-called residual oil, where the requirements are a cylinder oil complying with TBN 40.

### Characteristics and advantages

MARWAY 4050 is an alkaline cylinder oil for marine diesel engines. The oil ensures a high level of cleanliness in the engine, and has high temperature and oxidation stability to minimise its degradation at high operating temperatures. MARWAY 4050 protects piston rings and cylinders in particular, and thus contributes to longer inspection intervals.

### Tests and approvals

MAN B&W, Wärtsilä

### Handling and storage

Avoid skin contact. In the event of contact with skin, wash with soap and water. Dispose of used oil at a recycling station or equivalent. Safety data sheets are available for professional users and are supplied on request.

### Typical Data

Characteristics	Typical value	Unit	Method
Density at 15°C	914	kg/m <sup>3</sup>	ISO 12185
Flash point COC	235	°C	ISO 2592
Pour point	-24	°C	ISO 3016
TBN	40	mg KOH/g	ASTM D 2896
Viscosity at 40°C	193	mm <sup>2</sup> /s	ISO 3104
Viscosity at 100°C	17.8	mm <sup>2</sup> /s	ISO 3104
Viscosity index	100	-	ISO 2909

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