PETROMIN

PRODUCT DATA SHEET

PETROSHIELD SPECIAL

PETROSHIELD SPECIAL is high quality marine system oil, formulated from solvent-refined paraffin base oils having high thermal stability and resistance to oxidation. These inherent base oil characteristics are augmented by a balanced additive package containing oxidation inhibitors, alkaline detergents, dispersants and antifoam agents. They have been developed specifically for use as system oils in modern high-output cross-head type marine diesel engines. They provide adequate lubrication for bearings and other moving parts, including cams and gears, plus effective cooling of pistons in cross-head engines even in the presence of saline water.

BENEFITS

- Reduce deposits on piston and crankcase surfaces.
- Enhance piston-cooling efficiency.
- Increase protection against bearing corrosion.
- Provide improved rust protection.
- Provide effective water tolerance and separation.

SPECIFICATIONS & APPROVALS

Approved by major marine engine manufacturers:

- MAN B&W
- WARTSILA NSD

APPLICATIONS

PETROSHIELD SPECIAL is recommended primarily for use in high out-put cross-head diesel engines in marine service, particularly those requiring system oil for piston cooling. In these applications, they will prevent or reduce deposit formation in piston cooling spaces, maintain piston-cooling efficiency and reduce the incidence of piston crown cracking. Also it is recommended as crankcase oil in auxiliary engines.

PRODUCT CHARACTERISTICS*

PROPERTIES	UNITS	VALUE		TEST METHOD
SAE GRADE	**-**	**30**	**40**	-
Specific Gravity @ 15 °C	-	0.896	0.899	ASTM D-4052
Viscosity @ 40 °C	mm^2/s	108.0	153.0	ASTM D-445
Viscosity @ 100 °C	mm^2/s	11.2	14.4	ASTM D-445
Viscosity Index	-	98	98	ASTM D-2270
Flash Point, COC	ºC	266	270	ASTM D-92
Pour Point	ºC	-6	-9	ASTM D-97
Base Number	mg KOH/g	5.2	5.2	ASTM D-2896
Sulfated Ash	% wt	0.73	0.73	ASTM D-874
Product Code	-	**4100**	**4110**	**-**

*The information and figures given here are typical of current production and conform to specification, minor variations may occur.