

PRODUCT DATA SHEET

PETROSHIELD 1

PETROMIN PETROSHIELD 1 Series is specially formulated trunk piston engine oil for medium speed marine and industrial type engines operating on distillate fuels (sulphur up to 1.0%). They are blended using solvent-refined high viscosity index paraffin mineral base oils and chemical additives which provide effective alkalinity, wear resistance, detergent/dispersant and efficient demulsibility characteristics.

BENEFITS

- Reduced port and under crown deposits.
- Cleaner engine operation.
- Increased protection against cylinder and bearing wear.

SPECIFICATIONS & APPROVALS

- MAN B&W
- WARTSILA NSD
- CATERPILLAR
- DUETZ
- BLACKSTONE
- RUSTON

APPLICATIONS

PETROMIN PETROSHIELD 1 Series is recommended for crankcase lubrication in medium-speed marine type diesel engines. They can also be used for separate bearing lubrication and piston cooling of large cross-head type engines under severe service conditions at appropriate viscosity grades.

PRODUCT CHARACTERISTICS*

PROPERTIES	UNITS	VALUE			TEST METHOD
SAE GRADE	-	30	40	50	-
Specific Gravity @ 15 °C	-	0.902	0.905	0.909	ASTM D-4052
Viscosity @ 40 °C	mm ² /s	105.0	145.0	233.0	ASTM D-445
Viscosity @ 100 °C	mm ² /s	11.8	14.75	19.8	ASTM D-445
Viscosity Index	-	100	104	97	ASTM D-2270
Flash Point, COC	°C	250	266	272	ASTM D-92
Pour Point	°C	-9	-6	-6	ASTM D-97
Base Number	mg KOH/g	15	15	15	ASTM D-2896
Sulfated Ash	% wt	1.6	1.6	1.6	ASTM D-874
Color	-	4.5	4.5	5.0	ASTM D-1500
Product Code	-	4130	4140	4150	-

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

