

## PRODUCT DATA SHEET

### PETROSHIELD LSF

PETROMIN PETROSHIELD LSF Series is specially formulated oil for medium speed marine and industrial type engines operating on distillate fuels (sulphur up to 0.5%). 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 LSF 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	-	<b>30</b>	<b>40</b>	<b>50</b>	-
Specific Gravity @ 15 °C	-	0.902	0.901	0.909	ASTM D-4052
Viscosity @ 40 °C	mm <sup>2</sup> /s	101.1	148.2	232.9	ASTM D-445
Viscosity @ 100 °C	mm <sup>2</sup> /s	11.8	14.6	19.8	ASTM D-445
Viscosity Index	-	97	96	97	ASTM D-2270
Flash Point, COC	°C	246	250	262	ASTM D-92
Pour Point	°C	-6	-6	-6	ASTM D-97
Color		4.0	4.0	5.0	ASTM D-1500
Base Number	mg KOH/g	10.3	10.3	10.3	ASTM D-2896
Sulfated Ash	% wt	1.44	1.44	1.44	ASTM D-874
Product Code	-	<b>4560</b>	<b>4550</b>	<b>4570</b>	-

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

