

## PRODUCT DATA SHEET

### PETROPOWER 1

**PETROPOWER 1 Series** is high performance Trunk Piston Engine Oils for medium speed marine and industrial type trunk piston engines operating on low sulphur distillate fuels (sulphur upto 1.0 %). They are blended using solvent-refined high viscosity index paraffin mineral base oils with chemical additive which provide effective alkalinity, wear resistance, detergent/ dispersant and water separating properties.

#### BENEFITS

- Improved anti wear properties, reduces ring & liner wear
- Reduces port and under crown deposits.
- Cleaner engine operation.
- Increased protection against cylinder and bearing wear.
- Outstanding thermal & oxidation stability extend periods between inspection & overhauling.
- Controls black sludge deposits thus increasing oil filter life and reduces cleaning frequencies.
- Excellent TBN retention with low oil consumption.

#### SPECIFICATIONS & APPROVALS

Meets or exceeds the requirements of:

- MAN B&W
- MITSUBISHI HEAVY INDUSTRIES (MHI)
- WARTSILA NSD
- CATERPILLAR
- DUETZ
- BLACKSTONE
- RUSTON

#### APPLICATIONS

**PETROPOWER 1 OIL Series** is recommended for crankcase lubrication in medium-speed marine type diesel engines. They can also be used to separate bearing lubrication and piston cooling of large crosshead type engines under severe service conditions at appropriate viscosity grades. Meets the requirement of WARTSILA, CATERPILLER (3600 SERIES), MTU, MWM, RUSTON, MAN (B&W), BLACKSTONE AND COCKERILL engine builders.

#### PRODUCT CHARACTERISTICS\*

PROPERTIES	UNITS	VALUE			TEST METHOD
SAE GRADE	-	<b>30</b>	<b>40</b>	<b>50</b>	-
Specific Gravity @ 15 °C	-	0.900	0.903	0.908	ASTM D-4052
Viscosity @ 40°C	mm <sup>2</sup> /s	108.0	148.0	227.0	ASTM D-445
Viscosity @ 100 °C	mm <sup>2</sup> /s	11.9	15.0	19.8	ASTM D-445
Viscosity Index	-	99	101	100	ASTM D-2270
Flash Point, COC	°C	240	262	265	ASTM D-92
Pour Point	°C	-9	-9	-9	ASTM D-97
Base Number	mg KOH/g	15.0	15.0	15.0	ASTM D-2896
Sulphated Ash	% wt	1.82	1.82	1.82	ASTM D-874
Color	-	12	12	12	-
FZG load carrying capacity Failure stage		6.5	L 7.5	8.0	ASTM D-1500
Product Code	-	<b>2600</b>	<b>2610</b>	<b>2620</b>	-

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

