petrogulf® marine

Product Data Sheet

PETROGULF MARINE CYLINDER OIL

Product Grade I 5025 I 5040 I 5050 I 5070 I 5080 I 50100

PRODUCT DESCRIPTION

Petrogulf Marine Cylinder Oil is a high-quality lubricant specifically designed for crosshead engines operating on fuels ranging from ultra-low to high sulfur content. This oil is developed to provide maximum protection against adhesive and corrosive wear in diesel engines running at high pressures and temperatures. It is available in SAE 50 viscosity grade with a BN (Base Number) ranging from 25 to 100.

FEATURES & BENEFITS

- Minimizes deposits on critical parts such as pistons, piston rings, ring grooves and cylinder ports
- Enhanced anti-wear properties reduces piston ring and cylinder wear, leading to lower maintenance costs
- Compatible with all standard seal materials

APPLICATIONS

- Recommended for cylinder lubrication of modern, highly rated low-speed crosshead marine diesel engines operating on fuels with sulphur content ranging from 0.1% to over 3.5%
- The manufacturer's recommended feed rates should be maintained as a minimum. Higher feed rates may be required during engine break-in
- Always follow the engine manufacturer's recommendations for oil feed rates

OEM REQUIREMENTS

- MAN B&W 2-stroke engines (approved)
- WÄRTSILÄ WIN GD (approved) 40 TBN also meets WIN GD low Sulphur fuel requirements
- MITSUBISHI HEAVY INDUSTRIES (MHI- MME) UE Series 2 stroke diesel engines

TYPICAL CHARACTERISTICS

PROPERTIES	TYPICAL VALUES					
Product Grade	5025	5040	5050	5070	5080	50100
Kinematic Viscosity @ 40°C, cSt	215	218	220	224	224	224
Kinematic Viscosity @ 100°C, cSt	19.0	19.0	19.0	19.0	19.0	19.0
Viscosity Index	99	98	97	95	95	95
Density @ 15°C, Kg/L	0.910	0.920	0.9250	0.9300	0.9400	0.9410
Pour Point, °C	-9	-9	-9	-9	-6	-6
Flash Point, °C	230	240	240	240	240	240
Foaming Seq I, II, III	50/0, 50/0, 50/0	50/0, 50/0, 50/0	50/0, 50/0, 50/0	50/0, 50/0, 50/0	50/0, 50/0, 50/0	50/0, 50/0, 50/0
TBN (mg KOH/gm)	25.0	40.0	50.0	70.0	80.0	100.0
Product Code	32900070003	32900090003	32900100003	32900120003	32900130003	32900140003

***These characteristics are typical of current production. While future production will conform to Petrogulf's specification, variations in these characteristics may occur.*

HANDLING, HEALTH AND SAFETY

- In normal conditions of use, this lubricant presents no particular toxic hazard. All lubricants, of any kind should be handled with great care, particularly avoiding any contact with skin.
- Prevent any splashing, and keep away from combustible materials. Store under cover and away from any risk of pollution. Dispose off the used oil correctly; don't pour down drains, into watercourses or the soil.
- Petrogulf will not accept liability if the product is used other than in manner or with the precautions, or for the purpose specified. Before the product is used other than directed advice should be obtained from Petrogulf local office.

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