

Petrogulf Marine Cylinder Oil

PRODUCT DESCRIPTION

Petrogulf Marine Cylinder Oil is a high quality Marine Cylinder Oil has been designed for crosshead engine running from low sulphur fuel to high sulphur fuel. This oil is specifically developed to provide maximum protection from adhesive and corrosive wear for diesel engines operating with higher pressures & temperatures. **Petrogulf Marine Cylinder Oil** is available in SAE 50 viscosity grade with BN (Base Number) from 40 – 100.

FEATURES & BENEFITS

- ❖ Minimizes sludge deposit on critical parts viz. pistons, piston rings, ring grooves and cylinder ports
- ❖ Enhanced anti-wear property minimizes piston ring & cylinder wear leading to reduced maintenance costs
- ❖ Good compatibility with all normal seal materials

APPLICATIONS

- ❖ Recommended for cylinder lubrication of highly rated low speed crosshead marine diesel engines operating on residual fuels with sulphur contents ranging from 0.5% to 3.5%
- ❖ The feed rates recommended by the manufacturer should be maintained as the minimum. Higher feed rates may be required during running-in.
- ❖ Follow the engine manufacturer recommendation of oil feed rates.

APPROVAL

- ❖ **Petrogulf Marine Cyl Oil 5070** has a **MDT No Objection Letter (LDF1/JUSV/CEN/11196-2014)**.

TYPICAL PROPERTIES

Marine Cylinder Oils

API/ISO :	5040	5050	5060	5070	5080	50100	
SAE :	50	50	50	50	50	50	
PROPERTIES	ASTM						
Appearance	Visual	B&C	B&C	B&C	B&C	B&C	
Vis@100 (cSt)	D-7042	18 - 22	18 - 22	18 - 22	18 - 22	18.50-22.5	
Vis@40 (cSt)	D-7042	Report	Report	Report	Report	Report	
Viscosity Index	D-7042	>95	>95	>95	>90	>90	
Specific Gravity	D-4052	0.899-0.941	0.899-0.941	0.899-0.941	0.899-0.941	0.931-0.957	0.934-0.958
Pour Point (degC)	D-97	-6	-6	-6	-6	Max -6	Max -3
Flash Point(degC)	D-92	>225	>235	>235	>235	>220	>220
Foaming	D-892	NIL	NIL	NIL	NIL	NIL	NIL
TBN (mg KOH/gm)	D-2896	38-45	45 - 56	56 - 65	65-75	75-85	90-110

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

HANDLING, HEALTH AND SAFETY

- ❖ Lubricants consisting of highly refined mineral oils with specific additives under normal conditions of use, 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 used oil correctly; don't pour down drains, into water courses or the soil.
- ❖ Take used oil to an authorized collection point.