



# PRODUCT DATA SHEET

## GulfSea Cylcare XP 5040

Marine Cylinder Oil specially designed to deliver outstanding dispersancy and detergency for the latest model of Low Speed 2-stroke Marine Diesel Engines using very low sulphur residual fuel blends (VLSFO). It meets the higher performance standards required of CAT II cylinder oils by MAN ES, particularly for piston cleanliness and deposit control.

### Product Description

**GulfSea Cylcare XP 5040** has been developed to cope with sludge and deposit forming tendencies of low sulphur fuels. These fuels have lower corrosion potential but may tend to form more deposits. The cylinder oil is formulated to have enhanced detergency properties and excellent dispersancy, wear and oxidation resistance properties. **Gulfsea Cylcare XP 5040** is approved for the latest 2-stroke low speed crosshead engines operating at higher BMEP and liner temperatures.

### Features & Benefits

- Advanced detergency properties minimise deposits and the formation of sludges, protecting against piston ring stick and ring groove deposits.
- Lower ash forming formulation, avoids crown land deposit formation, even when running very low sulphur fuels.
- Excellent anti-wear properties similar to the characteristic low cylinder liner wear of the GulfSea Cylcare range of cylinder oils.
- Tested and compatible with all standard seal materials.
- High levels of ring pack cleanliness and anti-wear enables extended time between piston overhauls.

### Applications

- Cylinder lubrication of the latest, highly rated low speed crosshead marine diesel engines operating on blended residual fuels and distillates with sulphur < 0.5%.
- Recommended for cylinder lubrication of all MAN ES engines especially for the more severe characteristics of de-rated engines.
- The feed rates as recommended by the manufacturer should be maintained and in accordance with engine operating conditions. Higher feed rates may be required for running-in.
- To completely demonstrate its anti-wear performance, cermet coating is recommended on all piston rings.
- The guidelines of fuel cleanliness and compatibility of mixed fuels recommended by the manufacturer should be strictly followed.

### Typical Properties

GulfSea Cylcare XP 5040		
Typical properties	SAE Grade	50
	BN	40
Test Parameters	ASTM Method	Typical Values
Viscosity @ 100 °C, cSt	D 445	20.5
Viscosity Index	D 2270	105
Flash Point, °C	D 92	266
Pour Point, °C	D 97	-33
BN, mg KOH/g	D 2896	40
Density @ 15 °C, kg/l	D 4052	0.9153

\*Product will be suffixed with H, S or X identifier, owing to the regional availability. Products with different identifier are miscible and compatible.

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Due to continual product research and development, the information contained herein is subject to change without notification.  
Typical Properties may vary slightly.