



# Gulfmar AC

## Premium quality system oil for low speed marine diesel engines

### Product Description

**Gulfmar AC** is a premium quality system oil designed for modern highly rated low speed crosshead marine engines including those employing system oil for piston cooling. This oil is formulated from high quality paraffinic base oils with latest additive technology to provide excellent thermal stability and oxidation resistance. It has adequate alkalinity to neutralise any strong acids which may enter into the crankcase resulting from the combustion of fuel sulphur. This oil is available in SAE 30 & SAE 40 viscosity grades with a TBN (Total Base Number) of 5, 6 & 7. Each grade has got a suffix of 3 digits in which the first digit indicates the SAE grade (e.g. 3 indicates SAE 30 and 4 indicates SAE 40) and the last two digits indicate the TBN.

### Features & Benefits

- Excellent thermo-oxidative stability retards oil degradation and facilitates piston cooling
- Improved detergency keeps crankcase clean
- Superior water separation characteristics result in trouble free operations
- Special rust inhibitors protect critical bearing surfaces from rusting
- Adequate TBN ensures protection against corrosive combustion products
- Good load bearing capabilities reduce wear in heavily loaded bearings

### Applications

- Recommended for crankcase lubrication in the latest highly rated low speed crosshead marine engines including those employing system oil for piston cooling

### Specifications, Approvals & Typical Properties

| Gulfmar AC              |             | 305            | 405   | 306   | 307   | 407   |
|-------------------------|-------------|----------------|-------|-------|-------|-------|
| SAE Grade               |             | 30             | 40    | 30    | 30    | 40    |
| TBN                     |             | 05             |       | 06    | 07    |       |
| Typical Properties      |             |                |       |       |       |       |
| Test Parameters         | ASTM Method | Typical Values |       |       |       |       |
| Viscosity @ 100 °C, cSt | D 445       | 11.2           | 14.2  | 11.1  | 11.3  | 14.3  |
| Viscosity Index         | D 2270      | 98             | 96    | 96    | 97    | 96    |
| Flash Point, °C         | D 92        | 232            | 240   | 220   | 236   | 240   |
| Pour Point, °C          | D 97        | -18            | -18   | -18   | -18   | -18   |
| TBN, mg KOH/g           | D 2896      | 5              | 5     | 6     | 7     | 7     |
| Density @ 15°C, Kg/l    | D 1298      | 0.886          | 0.889 | 0.893 | 0.889 | 0.890 |
| Sulphated Ash, %wt      | D 874       | 0.8            | 0.8   | 0.85  | 1.0   | 1.0   |

July 2025

Properties mentioned are typical only and minor variations, which do not affect product performance, are expected to arise in normal manufacturing processes. Please follow equipment manufacturer's recommendations for performance level and viscosity grade. The Safety Data Sheet for this product is available from your nearest Gulf Distributor. Please consult our local representative if any further information is required.

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