



# PRODUCT DATA SHEET

## GulfSea Outboard 3

High Performance 2-Cycle Outboard Engine Oil

### Product Description

**GulfSea Outboard 3** is high performance, ashless, 2-cycle engine oil developed to meet the most critical requirements of modern water cooled outboard engines. It is designed for the harsh operating conditions of marine environment. The advanced ashless additive technology used in this oil provides excellent lubricity and protection against wear & rust.

### Features & Benefits

- The latest additive technology helps in protecting the piston from scuffing, ensuring cleaner engines and minimizing combustion chamber deposits with negligible port clogging.
- The special ashless detergents protect against piston ring sticking, spark plug fouling and pre-ignition.
- Special rust inhibitors guard against the formation of rust & corrosion even in marine salt water environment.
- Ensures easy mixing and forms stable mixtures with gasoline even at low ambient temperatures.

### Applications

- Recommended for 2-Cycle, water cooled outboard engines.
- It is suitable for adding as a premix with gasoline or injecting through variable ratio oil injection systems.

### Typical Properties

| GulfSea Outboard 3      |             |                |
|-------------------------|-------------|----------------|
| Typical Properties      |             |                |
| Test Parameters         | ASTM Method | Typical Values |
| Viscosity @ 100 °C, cSt | D 445       | 7.5            |
| Viscosity Index         | D 2270      | 130            |
| Flash Point, °C         | D 92        | 96             |
| Pour Point, °C          | D 97        | -33            |
| BN, mg KOH/g            | D 2896      | 3.4            |
| Density @ 15 °C, Kg/l   | D 1298      | 0.867          |

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