



# PRODUCT DATA SHEET

## GulfSea Diesel DD

High speed trunk piston marine diesel lubricant specially designed for Detroit Diesel 2-stroke engines

### Product Description

GulfSea Diesel DD, SAE 30, 40 and 50 are premium quality monograde engine oil developed for high output, high speed two-cycle diesel engines. It is available in three viscosity grades viz. SAE 30, 40 & 50. It is formulated with quality base stocks and selectively chosen additives to provide excellent wear protection and engine durability. These oils are designed to exceed the performance requirements of API CF/CF-2 and are particularly recommended for Detroit Diesel two-cycle diesel engines in marine fleets operating on low sulphur fuels.

### Features & Benefits

- Excellent detergency reduces deposits, sludge build-up & varnish and extends engine life & durability.
- Superior thermo-oxidative stability assists in controlling oxidative thickening and increases oil life.
- Improved antiwear technology protects against scuffing & wear of cylinder liner and walls.
- Special rust inhibitors retard rust & corrosion formation in critical engine parts.
- Adequate BN levels ensure protection against corrosive combustion products.

### Applications

- High output, high speed two-cycle diesel engines in marine fleets operating on low sulphur fuels.

### Typical Properties

GulfSea DD				
SAE Grade		30	40	50
Meets the following Specifications				
API CF		X	X	X
API CF-2		X	X	X
Typical Properties				
Test Parameters	ASTM Method	Typical Values		
Viscosity @ 100 °C, cSt	D 445	11.2	14.2	18.2
Viscosity Index	D 2270	98	96	96
Flash Point, °C	D 92	236	242	244
Pour Point, °C	D 97	-15	-12	-12
BN, mg KOH/g	D 2896	7.4	7.4	7.4
Density @ 15 °C, Kg/l	D 1298	0.89	0.89	0.892
Sulphated Ash, wt%	D 874	0.8	0.8	0.8

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