



# Gulf Super Duty CI-4

## Mineral Engine Oil for Heavy Duty Diesel Engines

### Product Description

**Gulf Super Duty CI-4** is a mineral engine oil for heavy duty diesel engines specifically developed for use in modern, low emission diesel engines, including those fitted with Exhaust Gas Re-circulation (EGR) systems. Its protection plus technology helps protect engine components against excessive wear to provide engine durability. This product offers exceptional protection and extended life to diesel engines operating on low or high sulphur diesel. It is blended from selected base stocks and new generation performance additives.

### Features & Benefits

- High oxidation stability reduces sludge build up & viscosity increase to facilitate long drain intervals
- Improved detergency reduces deposits and enhances engine cleanliness
- Better soot handling capacity helps control oil thickening and wear
- Effective anti wear properties protect engine parts against wear to extend engine life and reduce maintenance costs
- Good corrosion inhibition properties provide protection against rust and corrosion

### Applications

- Turbocharged and naturally aspirated diesel engines of major North American, European and Japanese engine manufacturers
- On highway light and heavy duty trucking including high speed-high load service and short haul pick-up/delivery van
- For Engines fitted with exhaust gas recirculation system also for engines with open crankcase ventilation
- Heavy duty diesel engines used in mining, construction, agriculture and other off road applications where API CI-4 type of Engine oils are recommended

### Specifications, Approvals & Typical Properties

Meets the following Specifications		15W-40	20W-50
API CI-4		X	X
Typical Properties			
Test Parameters	ASTM Method	Typical Values	
Viscosity at 100 °C, cSt	D 445	14.0	18.9
Viscosity Index	D 2270	131	122
Flash Point, °C	D 92	222	234
Pour Point, °C	D 97	-30	-24
TBN, mg KOH/g	D 2896	8.4	8.5
Density @ 15°C, Kg/l	D 1298	0.8745	0.8858
Sulphated Ash, wt%	D 874	1.22	1.25

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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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