



# Gulfo 1049

## Heavy-duty gas engine oils for mobile application

### Product Description

**Gulfo 1049** series are heavy-duty gas engine oils specially developed for use in modern, high-output trucks and buses using Compressed Natural Gas (CNG). They are formulated with high quality base stocks and a balanced additive system to provide excellent engine cleanliness, wear protection and overall performance. The advanced formulation of these oils provides excellent protection against oxidation and nitration and minimises combustion chamber deposits. These oils are recommended for use in Cummins B & C series engines and Detroit Diesel Series 50 and Series 60 engines and exceed the performance requirements of API CF. They are available in two viscosity grades viz. SAE 15W-40 and SAE 20W-50. Gulfo 1049 15W-40 is approved against Cummins CES 20074 specification for mobile gas engines.

### Features & Benefits

- Excellent oxidation and nitration resistance minimises sludge build-up & deposits and increases oil/filter life
- Superior anti-wear property provides enhanced valve train wear protection
- Optimised ash protects against valve seat recession
- Effective detergency and dispersancy keeps engines cleaner
- Sustained alkalinity provides protection against corrosion during longer service intervals

### Applications

- Heavy-duty trucks and buses using CNG and requiring Cummins CES 20074 quality fluids
- Cummins B & C series engines
- Detroit Diesel Series 50 and Series 60 engines
- Other spark ignited gas engines where API CF quality oils are specified
- Light-duty CNG vehicles requiring superior performance or operating under severe service conditions

### Specifications, Approvals & Typical Properties

Meets the following Specifications		15W-40	20W-50
API CF		X	X
Cummins CES 20074		X	
Typical Properties			
Test Parameters	ASTM Method	Typical Values	
Viscosity @ 100 °C, cSt	D 445	14.1	18.7
Viscosity Index	D 2270	132	123
Flash Point, °C	D 92	236	240
Pour Point, °C	D 97	-27	-24
Density @ 15°C, Kg/l	D 1298	0.864	0.871
Sulphated Ash, %wt	D 874	0.55	0.55
TBN, mg KOH/g	D 2896	5.1	5.1

October 2015

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.

The information contained herein is believed to be correct at the time of publication and may be subject to modification from time to time. It is the user's responsibility to verify that this data sheet is current prior to using the product. No warranty expressed or implied is given concerning the accuracy of the information or the suitability of products. Gulf Oil International reserves the right to modify and change its products and specifications without prior notice.

This data sheet has been issued by us in English language only. In the event of any discrepancy between the English language version and any other language version, the English language version shall prevail.