



## Gulf MAX Pick-up

### Diesel Engine Oil for Pick-ups

#### Product Description

**Gulf MAX Pick-up** is high performance diesel engine oil specifically developed for use in low emission diesel engines of pick-up trucks, including those fitted with Exhaust Gas Re-circulation (EGR) systems. This product meets the requirements of all major European, American and Japanese manufacturers. It offers reliable protection to diesel engines operating on low or high Sulphur diesel. It is blended from selected base stocks and new generation performance additives.

#### Features & Benefits

- Improved protection against corrosive wear helps in sustaining engine durability
- Better thermo-oxidative stability reduces deposits and oil thickening
- Good soot handling capability protects against soot induced viscosity increase and wear
- High shear stability ensures viscosity control at elevated temperatures and reduces oil consumption and wear
- Excellent TBN retention helps in countering harmful effects of corrosive exhaust gases and extending oil life

#### Application

- Turbocharged and naturally aspirated diesel engines in pick-up trucks, including those fitted with EGR systems and meeting US 2004 emission norms
- Suitable for Euro IV vehicles that do not require low SAPS (Sulphated Ash, Phosphorous, Sulphur) oils (not fitted with Diesel Particulate Filters) and also in vehicles meeting Euro III and earlier emission norms
- Also suitable for light-duty diesel engines in MUVs and SUVs requiring such type of oils

NOTE: Not suitable for vehicles employing Diesel Particulate Filter (DPF) and requiring low SAPS oil.

#### Specifications, Approvals & Typical Properties

Meets the following Specifications		15W-40
API CI-4, ACEA E7, Global DHD-1		X
Volvo VDS-3/ Mack EO-N/ Renault VI RLD-2		X
DTFR 15B110 (previously known as MB 228.3)		X
MTU Oil Category 2, MAN M3275		X
Cummins CES 20076 / 20077 / 20078		X
Deutz DQC III-10, Cat ECF-1a,		X
Typical Properties		
Test Parameters	ASTM Method	Typical Values
Viscosity @ 100 °C, cSt	D 445	14.5
Viscosity Index	D 2270	135
Flash Point, °C	D 92	230
Pour Point, °C	D 97	-27
TBN, mg KOH/g	D 2896	11.0
Density @ 15°C, Kg/l	D 1298	0.8771
Sulphated Ash, wt%	D 874	1.50

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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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