

# Challenger 15W-40

Challenger 15W-40 CF-4 is recommended for diesel engines for both turbocharged and normally aspirated engines operating under severe service conditions both on and off the highway all year round. The innovative formulation ensures optimum wear protection to maintain engine life for guaranteed high performance in the toughest conditions.



## Properties

- + Excellent wear protection
- + Improved fuel economy
- + Reduced oil consumption at high operating engine temperatures
- + Excellent oxidation and thermal stability to prevent sludge buildup

## Specifications

API CF-4

## Table of properties

Property	Test Method	Unit	Value
Density 15°C	ASTM D 4052	g/ml	0.870
Kinematic Viscosity @ 40°C	ASTM D 445	cSt	109.04
Kinematic Viscosity @ 100°C	ASTM D 445	cSt	15.62
Viscosity Index	ASTM 2270	None	151.87
Viscosity at -20°C (CCS)	ASTM D 5293	mPas	≤ 7000
Total Acid Number TBN	ASTM 2896	mg KOH/g	13
Pour Point °C	ASTM D 97	°C	-28
Flash Point °C	ASTM D 92	°C	228

\* Characteristic values can fluctuate within the normal range. The information in this publication is based on our current knowledge and experience. They do not release the user from their own tests and trials due to possible influences during the processing and application of our products. A legally binding assurance of certain properties or the suitability for a specific application cannot be derived from our information. It is the responsibility of the recipient of our products to observe any property rights as well as existing laws and regulations.

