



FORZA PLUS

SAE 15W-40 API CI-4 PLUS

Special Premium multigrade oil for modern high-speed, turbocharged or exhaust gas recirculating (EGR) four-stroke diesel engines that require a high level of performance under severe operating conditions. Made with special bases perfectly balanced with Copolymer and low-emission latest technology additives, including older conventional equipment.

USES

To be used in American, Asian and European engines. Its high performance has been proven in a wide range of applications and mixed fleets.

Ideal for engines and equipment of: Tractors, cargo and passenger trucks, agricultural tractors, mining and construction equipment.

PROPERTIES

- Prevents filter blockage by controlling soot thickening, in units with modern designs and efficient in emission control, but which generate high levels of combustion residues.
- High performance of the engine in extreme conditions with fuel of high and low content of sulfur.
- Great thermal stability, with maximum resistance to oxidation, prolonging the oil change period.
- Improved retention characteristic of TBN (alkaline reserve).
- Excellent protection against engine wear and emission control devices, in units with a gas recirculation system (EGR).
- Help in the control of emissions, contributing to the care of the environment.

SPECIFICATIONS

Meets and exceeds the categories of Service:

- CI-4 Plus, CI-4, SM / SL and earlier.

European sequence:

- ACEA E7 - 12

Asian Specification:

- JASO DHD-1, GLOBAL DHD - 1

Meets the requirements of OEMs:

- Mercedes Benz MB 228.3
- Volvo VDS-3, VDS-2, MTU Type 2
- Mack EO-M Plus / EO-N
- Cummins CES 20077/20078
- Caterpillar ECF-2
- Renault RLD-2
- MAN 3275
- Deutz DCQ-III
- Detroit Diesel DDC 93K215.

HEALTH AND SAFETY

This product does not present a health or safety risk as long as good personal and industrial hygiene practices are maintained. In case of contact with the skin, wash immediately with soap and water.

Wear gloves to handle used oils. Do not dispose of the residue down the sewer. Take care of our environment.



TYPICAL PROPERTIES

PHYSICOCHEMICAL TESTS	UNIT	METHOD	AVERAGE VALUES
SAE grade		SAE J 300	15W-40
API service		SAE J 183	CI-4 PLUS
Kinematic Viscosity @ 40°C	cSt	ASTM D-445	115.6
Kinematic Viscosity @ 100°C	cSt	ASTM D-445	15.3
Viscosity index		ASTM D-2270	139
Apparent Viscosity, CCS -20 °C	cP	ASTM D-5293	5.600
Flashpoint	°C	ASTM D-92	240
Pour point	°C	ASTM D-97	-25
Density @ 15°C	Kg/L	ASTM D-4052	0.87
Total Basic Number, TBN	Mg KOH/g	ASTM D-2896	11

In the batches manufactured there may be slight variations in the average values, which do not affect the quality or the performance of the product.

AVAILABLE SIZES

FORZA PLUS SAE 15W-40
¼ gallon jar
2.5 gal bucket
3.785 L gallon
5 gallon bucket
55 gal cylinder