Automotive lubricants. Heavy engine vehicle.

# Traction Max 5W-30 FE

Low SAPS · Fuel Economy · Long Drain

## Key information

- 100% synthetic lubricant with low SAPS content and very high fuel economy properties.
- Compatible with gas after-treatment systems DPF/SCR/EGR.
- Euro VI engines, Stage V, Tier 4.
- Compatible with alternative fuels (gas - CNG-, biodiesel).

## Quality standards

- ACEA F01
- API FA-4, SN
- JASO DH-2

## Manufacturer specifications

- DTFR 15C130 (MB 228.61)
- Volvo VDS-5
- Renault RLD-5
- Mack EOS-5
- Detroit Diesel DFS 93K223
- Cummins CES 20087
- Ford M2C214-B1

## Use

- It is ideal for use in trucks, buses, light commercial vehicles, and vans, offering an ideal lubrication solution for fleets of mixed vehicles.
- Designed for vehicles equipped with exhaust gas after-treatment systems, such as particulate filters (DPF), continuous regeneration traps (CRT) and AdBlue selective catalytic reduction systems (SCR) that require low ash oils (SAPS), optimizing their service life and saving on maintenance.
- API FA-4 standard is not backwards compatible with API CK-4 and earlier. Therefore, TRACTION MAX 5W-30 FE should not be used in engines recommended in these categories.
- It is recommended to follow the indications of the vehicle manual regarding viscosity and oil specifications, as well as its drain interval according to the amount of sulfur of the fuel used.

## Benefits

- Thanks to the technology used and its low viscosity, it provides significant fuel economy compared to an SAE 15W-40 oil (~1%), thus contributing to reduction of $CO_2$ emissions.
- It provides outstanding results in the most stringent engine cleanliness tests (Daimler OM501LA), significantly reducing formation of deposits and sludge, providing long intervals between oil changes and ensuring longer engine service life.
- Its high viscosity index allows easy start up at low temperatures and a sufficient oil film in hot climates, protecting the engine from excessive wear at most crucial times it is used.



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- Its high oxidation/thermal degradation stability makes it suitable for high temperature protection of modern turbocharged engines.

*For more information on how much you can save with Traction Max 5W-30 FE, visit the Traction Calculator: www.moeve.es/calculadora-traction

## Physical and chemical properties

| Characteristic | Units | Method | Traction Max 5W-30 FE |
|---|---|---|---|
| **SAE Grade** | - | - | **5W-30** |
| Density at 15°C | kg/l | ASTM D 4052 | 0.857 |
| Viscosity at 100°C | cSt | ASTM D 445 | 9.9 |
| Viscosity at 40°C | cSt | ASTM D 445 | 58 |
| Viscosity Index | - | ASTM D 2270 | 157 |
| CCS Viscosity at -30°C | cP | ASTM D 5293 | 6018 |
| HTHS Viscosity at 150°C | cP | ASTM D 4683 | 3.0 |
| Pour Point | °C | ASTM D 5950 | -45 |
| Flash Point | °C | ASTM D 92 | 230 |
| Base number, TBN | mg KOH/g | ASTM D 2896 | 10.8 |
| Sulfated ash | % (m/m) | ASTM D 874 | 0.79 |

## Health & safety and environment

A Material Safety Data Sheet providing information on product hazards, handling precautions, first aid measures, and relevant environmental data is available for this product as per applicable legislation.