



# AGIP SIGMA ULTRA PLUS TFE

**AGIP SIGMA ULTRA PLUS TFE** is a modern synthetic high-performance fuel efficiency engine oil for highest loads, prolonged oil change intervals for commercial vehicles, especially for vehicles with new diesel engine generations equipped with exhaust gas after treatment systems (Diesel particle filter, CRT). The maximum efficiency and life span of the engine is ensured by the high safety from "bore-polishing", the optimum detergent effect of the oil and the low evaporation losses.

The application may be also possible in other diesel engines, in stationary diesel aggregates and also in gas engines of heavy duty vehicles.

## CHARACTERISTICS (TYPICAL FIGURES)

SAE Grade		10W-40
Viscosity at 100 °C	mm <sup>2</sup> /s	12.9
Viscosity at 40 °C	mm <sup>2</sup> /s	85
Viscosity Index	-	151
Viscosity at -25 °C	mPa·s	6500
Flash Point COC	°C	235
Pour Point	°C	-36
Mass Density at 15 °C	kg/l	0.863

## PROPERTIES AND PERFORMANCE

- **AGIP SIGMA ULTRA PLUS TFE** meets the highest performance class for heavy duty diesel engines by the special coordination of synthetic technology and new "low SAPS" additives. The fuel efficiency properties allows a fuel saving in comparison with other conventional multigrade diesel oils.
- Due to the emission standards, exhaust gas aftertreatment systems may be present. To ensure a long service time of these systems any negative influence of the engine oil has to be excluded. Therefore the content of some lubricant components and characteristics (sulphated ash, phosphorus and sulphur) has to be controlled. In this respect, **AGIP SIGMA ULTRA PLUS TFE** adopts a special innovative formulation in order to comply with specific chemical limitations posed by some OEMs and international specifications.
- **AGIP SIGMA ULTRA PLUS TFE** provides outstanding engine protection. This is documented by OEMs and ACEA performance tests results, which include evaluation against bore polish, piston ring, liner, valve train and bearing wear resistance, as well as engine cleanliness and soot protection. This minimizes down time, reduces operation and maintenance costs and allows better performance through engine life.

## SPECIFICATIONS

**AGIP SIGMA ULTRA PLUS TFE** has been officially approved or meets the specifications of the following engine manufacturers or organisations:

- API CI-4
- ACEA E6, E4, E7
- MB 228.51, 228.5, 226.9
- MAN M3477, M3271-1
- MTU Type 3.1
- VOLVO VDS-3
- RVI RLD, RLD-2, RXD
- SCANIA Low Ash
- DEUTZ DQC-III-05
- JASO DH-1, DH-2-08