



### DESCRIPTION

100% synthetic, latest-generation, very high-performance lubricant for heavy duty diesel and commercial vehicles, specifically developed to reduce fuel consumption and, as a result, CO<sub>2</sub> emissions. Its low ash content (SAPs) makes it suitable for Euro VI heavy diesel engines and earlier, compatible with exhaust aftertreatment systems (DPF/SCR/EGR) and suitable for engines using natural gas (CNG) as fuel.

### PRODUCT APPLICATIONS

- Especially recommended for use in the latest models of Euro VI-d trucks and buses from MAN and Scania, equipped with EGR and SCR+CRT, which require M 3977 and LDF-5 specifications, respectively.
- Designed for gas after-treatment systems such as diesel particulate filters (DPF), continuous regeneration traps (CRT), selective catalytic reduction by EcoBlue® injection (SCR), diesel oxidation catalysts (DOC) and exhaust gas recirculation (EGR) that require low ash oils, optimizing their service life and saving maintenance costs.
- It can be used in both gas (CNG) and biodiesel engines (always following the drain interval indicated in the vehicle manual).
- TRACTION PRO FE 5W20 should not be used in engines that require previous specifications from MAN or Scania, nor higher viscosity grades.

### PRODUCT PERFORMANCE

- Thanks to the technology used and its low HTHS viscosity, it offers high fuel economy properties, thus contributing to the reduction of CO<sub>2</sub> emissions and environmental sustainability.
- It provides outstanding results in the most stringent engine cleanliness tests (Daimler OM471), significantly reducing formation of deposits and sludge, providing long intervals between oil changes and ensuring longer engine life.
- Its high viscosity index allows easy starting at low temperatures and a sufficient oil film in hot climates, protecting the engine from excessive wear at most crucial times it is used.
- Its high oxidation/thermal degradation stability makes it suitable for high temperature protection of modern turbocharged engines.

### QUALITY LEVELS

- MAN M 3977
- Scania LDF-5

### TYPICAL CHARACTERISTICS

CHARACTERISTIC	UNITS	METHOD	TRACTION PRO FE 5W20
<b>SAE Grade</b>	-	-	<b>5W-20</b>
Density 15°C	g/ml	ASTM D 4052	0.859
Viscosity at 100°C	cSt	ASTM D 445	8.17
Viscosity at 40°C	cSt	ASTM D 445	47.2
Viscosity Index	-	ASTM D 2270	146
CCS Viscosity at -30°C	cP	ASTM D 5293	6485
Pour Point	°C	ASTM D 5950	-40
Flash Point, COC	°C	ASTM D 92	225
Base number, TBN	mg KOH/g	ASTM D 2896	13.9
Sulfated ash	% (m/m)	ASTM D 874	0.7

### 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.

The typical values of the characteristics appearing in the table are average values provided for informational purposes only and do not constitute a guarantee. These values may be modified without any prior warning.