



L'huile des records du monde

## TRANSPRO 40 S - SAE 10W-40

Semi-synthetic "mixed fleet" oil for Diesel and gasoline engines of heavy-duty equipment (trucks, construction, agriculture)

### APPLICATIONS

Developed to meet the very severe technical constraints held by EURO 5/Tier 3 low emissions Diesel\* engines using the SCR technology (Adblue fluid). Can be used in older Diesel engines turbocharged-or-not. Also suitable for Diesel and gasoline engines in light commercial or industrial vehicles, and in some hydraulic transmissions, according to manufacturers' requirements. TRANSPRO 40 S - SAE 10W-40 meets the needs of mixed fleet operators.

### MAIN CHARACTERISTICS

		Units	SAE 10W-40
Density at	20° C	kg/m <sup>3</sup>	866
Kinematic viscosity at	40° C	mm <sup>2</sup> /s	93
Kinematic viscosity at	100° C	mm <sup>2</sup> /s	14
Viscosity index			154
Pour Point		° C	-36
T.B.N		mg KOH/g	11
Flash Point Cleveland open cup		° C	>220
Dynamic viscosity at	-25° C	mPa.s	6000

The data given in this table are typical production values and cannot be considered as specifications.

### PROPERTIES & ADVANTAGES

- Highly **detergent and dispersant** properties maintain the **cleanliness of the engine**
- Exceptional **anti-wear and anti-corrosion** properties
- **Extended oil drain interval** up to 60.000/80.000 km (depending on the service conditions, the sulphur content of the fuel and the OEM recommendations)
- **Semi-synthetic SAE 10W-40 formula providing a faster oil flow at start-up and increased protection under high temperatures, whilst reducing fuel consumption and exhaust emissions.**
- Excellent engine **protection against bore polishing**
- **Reinforced shear resistance** for increased stability of the viscosity in service

### PERFORMANCES

International Specifications : ACEA E7(exceeds ACEA E5/E3) and ACEA A3/B4

API CI-4/SL (exceeds API CH-4/CG-4); GLOBAL DHD-1; ISO 6743/4 HV68/100 (Hydraulic)

Manufacturers Specifications: Caterpillar ECF-1a/ECF-2; Cummins CES 20076//20077/20078;

Detroit Diesel DQC 93K215; Deutz DQC III-10; Mack EO-N/EO-M Plus; MB 228.3/MB 229.1;

Man M 3275; MTU Type 2; Renault Trucks RLD & RLD-2 ; VOLVO VDS-3 ; ZF TE-ML 07C

\* For Euro 6/Euro 5/ Euro 4/ Tier 4 engines with FAP/DPF (particulate filters), we recommend:

ACEA E9: TRANSPRO 40S FE 10W30/TRANSPRO 40S LE 10W40/ TRANSPRO 40 LE 15W40

ACEA E6: TRANSPRO 65 M 5W30 and TRANSPRO 65 SAE 10W-40 according to manufacturers' requirements.

