

# TRANSMISSIONS



## MOTOR VEHICLE LUBRICANTS

### CEPSA FD-1 SAE 60



#### DESCRIPTION

An especially formulated oil for application in gearing and final drive systems that require the specification CAT FD-1. Extended useful life in comparison with the AT TO-4 specification.

#### PRODUCT APPLICATIONS

- An especially recommended lubricant for differentials and final drives, that do not contain friction material (unless otherwise specified) and that work under extremely high load conditions and in applications where high working temperatures require the use of an oil of these characteristics.
- This oil is not recommended for use in motors, gearboxes or hydraulic systems.

#### PRODUCT PERFORMANCE

- It improves notably the protection of gears, bushes and bearings compared to oils that meet the specification CAT TO-4.
- In general, it exceeds greatly the requirements of the specification CAT TO-4 in the following areas:
  - Stability to oxidation and oil durability
  - Resistance to foam formation
  - Corrosion and rust protection.
  - Compatibility with sealant materials.
  - Load-bearing capacity, preventing metal-metal contact.
  - Oil degrading at high temperatures.

#### SPECIFICATIONS

- CAT FD-1

#### TYPICAL CHARACTERISTICS

CHARACTERISTIC	UNITS	METHOD	CEPSA TRANSMISIONES FD-1
<b>SAE Grade</b>			<b>60</b>
Density at 15°C	Kg/l	D-4052	0.898
Flash Point (COC)	°C	D-92	260
Pour Point	°C	D-97	-18
Viscosity at 100°C	cSt	D-445	25.7
Viscosity at 40°C	cSt	D-445	343.4
Copper corrosion (3h. at 150)	°C	D-130	1A

#### HEALTH & SAFETY AND ENVIRONMENT

Health, safety and environmental information is provided for this product in the Materials Safety Data Sheet. This gives details of potential hazards, precautions and First Aid measures together with environmental effects and disposal of used products.

The typical values of the characteristics appearing in the table are average values given for guidance purposes. These values may be modified without any prior warning.