



CERES S.T.O.U. 15W40

Description

Universal multigrade and multifunction lubricant oil for tractors. Its carefully studied formula is designed for use in both internal combustion engines (including turbo-charged) and in transmissions, final drives, wet brakes, clutches and the hydraulic systems of agricultural machinery. It is multifunctional and general use lubricant oil.

Qualities

- Simplifies maintenance as only one oil is needed for the entire tractor.
- Excellent anti-noise properties on wet brakes.
- Thanks to its additive content it can be used in naturally-aspirated and turbo-charged diesel engines.
- Behaves extremely well on the hydraulic systems of agricultural implement movement.
- Anti-corrosion capacity to prevent scratches and wear to the gears.
- Valid for service in power steering, synchronisms and transmissions.
- Recognized by the principal tractor manufacturers.

Quality Levels

- API CE/SF
- MB 227.1
- JOHN DEERE J-27
- MASSEY FERGUSON M-1139
- FORD M2C. 159B/C
- API GL-4
- ZF TE-ML 06/07
- ALLISON C-4
- CATERPILLAR TO-2

Technical Characteristics

	UNIT	METHOD	VALUE
SAE Grade			15W40
Density, 15°C	g/cm ³	ASTM D 4052	0,8870
Viscosity, 100°C	cSt	ASTM D 445	13,2
Viscosity, 40°C	cSt	ASTM D 445	98
Viscosity, -20°C	cP	ASTM D 5293	7000 max.
Viscosity Index		ASTM D 2270	124 min.
Flash Point, COC	°C	ASTM D 92	215 min.
Pour Point	°C	ASTM D 97	-30
T. B. N.	mg KOH/g	ASTM D 2896	10
Sulphated Ash	% weight	ASTM D 874	1,5
Shear Stability Bosch Injector Viscosity after shear test, 100°C	cSt	ASTM D 3945	12 min.
Noack Volatility, 1h. 250°C	% weight	DIN 51581	13 max.

Available in

185 Kg. drums and 5 and 25 litre cans.

Hazard Identification

This product is not classified as toxic or hazardous under current legislation.

Handling

Certain minimum precautions to avoid prolonged contact with the skin should be taken when handling. The use of gloves, visors or masks is recommended in order to avoid splashes.

Health and safety hazards

Inhalation: **Minimum risk of inhalation as it is a non-volatile product.**
Ingestion: **Does not provoke vomiting. Drink water. Seek medical assistance.**
Contact with Skin: **Wash with abundant water and soap.**
Eyes: **Wash with abundant water.**
General measures: **Seek medical assistance.**

Fire fighting measures

No special measures are required.
Fire control: **Foams, dry chemicals, CO₂, water spray. Do not apply water jet directly as this may cause the product to spread.**

Environmental precautions

Danger of physical contamination in the case of spillage (water flows, coastal areas, the ground, etc.) due to its floating capacity and oily consistency which may cause damage to fauna and flora with which it comes into contact. Avoid its penetration into water containers or outlets.
Decontamination and cleaning: **Treat as an accidental oil spillage. Avoid spreading by using mechanical barriers and eliminate using both physical and chemical means.**

Emergency telephone number. Instituto Nacional de Toxicología 915620420
A safety data file exists.

Unless otherwise specified, the values cited in technical characteristics should be considered as typical.