

# SUPER UNIVERSAL OIL

## 10W-40



Multipurpose super multigrade oil based on very high performance synthetic oils, for year-round lubrication of all mechanical systems in tractors, agricultural machinery and related systems.

### APPLICATIONS

#### Agriculture

Mechanical components and systems in agricultural tractors, combine harvesters, silage blowers, equipment or vehicles

- All supercharged or naturally aspirated diesels especially those meeting the EUROPE TIER 1 or TIER 2 (2002) pollution control standard.
- Petrol engines in service vehicles.
- Mechanical transmission systems with submerged disc brakes.
- Gearboxes, differentials, axles, reduction drives, etc.
- Hydraulic lift and assistance circuits.
- Power take-offs and multidisc clutches operating in oil.
- Hydrostatic steering systems.

### PERFORMANCES

ACEA E3

MASSEY-FERGUSON

Satisfies or exceeds the following specifications

- Officially approved by MASSEY: MF CMS M 1144
- **Multipurpose applications:**
  - FORD M2C 159B3
  - MASSEY FERGUSON M1139, M1144
  - JOHN DEERE JDM J27
- **Engine applications:**
  - ACEA E3
  - API CG-4/SF
  - MIL.L.2104D
- **Tractor transmission applications:**
  - CASE MS 1206, 1207
  - JOHN DEERE JDM J20A, J20C
  - FORD M2C86A, M2C134D, FNHA 2 C 201.00
  - MASSEY FERGUSON M1127A, M1135
- **Mechanical transmission applications:**
  - API GL4
  - MIL.L.2105
  - ZF TE ML 06B, 07B
- **Automatic transmission applications:**
  - CATERPILLAR T02
  - GM ALLISON C4

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This lubricant, when used according to our recommendations and for the purpose for which it is intended, presents no particular hazard. A safety data sheet complying with current EC legislation can be obtained from your local sales representative.

## CUSTOMER BENEFITS

### Rationalisation

### Protects the engine, transmission components and hydraulic systems

### Reduces oil consumption

- Can be used in most old or new mechanical components of agricultural machinery.
- Simplifies lubricant supply and storage. Eliminates errors of use. Completely miscible with conventional oils or those of the same category or of a lower level.
- Its SAE 10W viscosity makes it fluid when cold, permitting easy engine starts at low temperature, and immediate efficiency of hydraulic filters guaranteeing shorter response time for hydraulic drive systems.
- SAE 40 viscosity grade when hot for engines (equivalent to SAE 90 for transmissions), ensuring a continuous oil film between moving parts and operating safety at all temperatures.
- Outstanding anti-wear capability ensuring a long life for the engine, transmission systems and hydraulic circuit components.
- Anticorrosion and antirust properties to protect the non-ferrous metals and alloys in mechanical components.
- Excellent anti-foaming qualities, to prevent any sump overflow as well as pump depriming or cavitation.
- Completely inert to seals.
- The use of specially refined base oils gives high resistance to oxidation, preventing the formation of deposits and glaze on parts operating at high temperature.
- Special frictional characteristics ensuring progressive, efficient and silent operation of brake and clutch systems.
- Reduces fuel & oil consumption in engines thanks to the use of selected base oils.

## CHARACTERISTICS

<b>SUPER UNIVERSAL OIL 10W-40</b>	Units	<b>SAE Grade 10W-40</b>
SG at 15°C		0.870
Kinematic viscosity at 40°C	mm <sup>2</sup> /s (cSt)	89
Kinematic viscosity at 100°C	mm <sup>2</sup> /s (cSt)	13.5
Dynamic viscosity at -25°C	mPa.s (cP)	5750
Viscosity number		155
Pour point	°C	-36

The characteristics shown in this table are typical values provided for illustrative purposes.