



TRACTORELF ST3

15W-40

High performance multipurpose multigrade oil intended for year-round lubrication of the different systems in agricultural tractors and harvesters.

APPLICATIONS

Agriculture

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

- Atmospheric or supercharged diesels, petrol service motors.
- Conventional mechanical transmissions for which an oil type API GL4 / MIL.L.2105 SAE 80W-90 is recommended.
- Mechanical transmissions fitted with oil bath brakes.
- Gearboxes, reduction drives, bevel gears, etc.
- Hydraulic lift and assistance circuits.
- Power take-offs and multidisc clutches operating in oil.
- Hydrostatic steering systems.

PERFORMANCES

ACEA E1

**MASSEY-FERGUSON
JOHN DEERE
FORD
NEW-HOLLAND**

- Officially approved by MASSEY FERGUSON MF CMS M 1144.
- Exceeds the requirements of the following sequences, classifications and specifications:

Multipurpose applications:

FORD M2C 159B3
MASSEY FERGUSON M1139
JOHN DEERE JDM J27

Engine applications:

ACEA E1
CCMC D4
API CE/SF
MIL.L.2104D, MIL.L.46152C

Tractor transmission applications:

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 transmissions:

CATERPILLAR TO2
GM ALLISON C4



CUSTOMER BENEFITS

Rationalisation

Protection of the engine, transmission components and hydraulic systems

- Can reduce the number of lubricants needed on a farm.
- High viscosity when hot, ensuring continuous lubrication in the engine, on gears and in hydraulic components.
- Outstanding wear control, ensuring long life for the engine, transmission systems and hydraulic circuit components.
- Extreme-pressure capability, for lubricating transmissions that require the use of an oil type API GL4 or MIL.L.2105 with viscosity SAE 80W-90.
- Anticorrosion properties to protect the non-ferrous metals in the engine and other systems.
- Excellent anti-foaming qualities, for preventing any sump overflow as well as pump depriming or cavitation.
- Completely inert to seals.
- High oxidation resistance, 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.

CHARACTERISTICS

| TRACTOELF ST3 15W-40 | Units | SAE Grade 15W-40 |
|------------------------------|--------------------------|-----------------------------|
| SG at 15°C | | 0.880 |
| Kinematic viscosity at 40°C | mm ² /s (cSt) | 112 |
| Kinematic viscosity at 100°C | mm ² /s (cSt) | 14.3 |
| Dynamic viscosity at -25°C | mPa.s (cP) | 6900 |
| Viscosity number | | 134 |
| Pour point | °C | -30 |

The typical characteristics mentioned represent mean values