



A brand of **TOTAL**

ELF TRACTORELF ST3 15W-40



Multipurpose oil adapted to the lubrication of different systems of agricultural machineries.

APPLICATIONS

- ELF TRACTORELF ST3 15W-40 is designed for turbocharged or naturally-aspirated Diesel engines. This lubricant is also adapted to mechanical transmissions, gearboxes, reduction drives, bevel gears requiring API GL-4 / MIL.L.2105 SAE 80W-90 performance.
- ELF TRACTORELF ST3 15W-40 is recommended for:
 - ✓ Mechanical transmissions fitted with oil bath brakes
 - ✓ Hydraulic lift and assistance circuits
 - ✓ Power take-offs and multidisc clutches operating in oil
 - ✓ Hydrostatic steering systems

SPECIFICATIONS AND APPROVALS

International specifications	ACEA E2	Engines: API CF-4/CE/SF	Transmissions: API GL-4
Manufacturers' approvals	<ul style="list-style-type: none"> ✓ Massey Ferguson CMS M 1145 ✓ ZF TE-ML 06B/07B 		
Meets the requirements of	<ul style="list-style-type: none"> ✓ Engines: Ford M2C 159B3, Massey Ferguson CMS M 1139/M 1144, John Deere JDM J27 ✓ Transmissions: John Deere JDM J20A/J20C, Ford M2C 86A/M2C 134D/ ✓ FNHA 2C 201.00, Massey Ferguson CMS M 1127A/M 1135/M 1143 ✓ Automatic transmissions: Caterpillar TO-2, Allison C4 		

PERFORMANCES AND CUSTOMER BENEFITS

ELF TRACTORELF ST3 15W-40 exhibits lots of advantages and properties:

- High viscosity when hot, guaranteeing continuous lubrication in the engine and on gears and hydraulic components
- Outstanding anti-wear properties ensuring longer mechanical components durability
- Extreme-pressure properties allow lubrication of transmissions requiring oil type API GL4 or MIL.L.2105 SAE 80W-90
- Anti-corrosion additives protect the non-ferrous metals in the engine and other systems.
- Excellent anti-foaming properties, to prevent any sump overflow or cavitation
- Completely inert to seals
- Special frictional characteristics ensuring progressive, efficient and silent operation of brake and clutch systems
- Reduction of the number of lubricants needed on a farm

PHYSICAL AND CHEMICAL CHARACTERISTICS*

ELF TRACTORELF ST3 15W-40*		Method	Value
Volumetric mass at 15°C	kg/m ³	ASTM D1298	888
Viscosity at 40°C	mm ² /s	ASTM D445	99.4
Viscosity at 100°C	mm ² /s	ASTM D445	13.5
Pour Point	°C	ASTM D97	-39

* The features mentioned above are average values obtained with some variability in production and do not constitute a specification.