



MULTAGRI PRO-TEC 10W-40



TOTAL

Last generation multipurpose oil, made of ultra high performance non conventional base oils, designed for year-round lubrication of all mechanical systems in tractors, agricultural machinery and related equipment.

APPLICATIONS

**Engines
Transmissions
Hydraulic systems**

**All agricultural
machines and
related 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

**Manufacturers'
approvals**

**Meets manufacturers'
specifications**

MASSEY-FERGUSON : CMS M 1145 / 1144
ZF : TE-ML 06B / 07B

- **Multipurpose applications:**
FORD M2C 159B3
MASSEY FERGUSON CMS M1139
JOHN DEERE JDM J27
- **Engine applications:**
ACEA E3
API CG-4/SF
- **Tractor transmission applications:**
CASE MS 1206, 1207
JOHN DEERE JDM J20A, J20C
FORD M2C86A, M2C134C, M2C134D, FNHA 2 C 201.00
MASSEY FERGUSON CMS M1127A, M1135
- **Mechanical transmission applications:**
API GL4
- **Automatic transmission applications:**
CATERPILLAR T02
GM ALLISON C4

CUSTOMER BENEFITS

Agricultural multifunctional oil able to meet the very high quality level required by the engine manufacturers

Rationalisation

Protects the engine, transmission components and hydraulic systems

Reduces fuel & 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

MULTAGRI PRO-TEC	Units	10W-40
Kinematic viscosity at 40°C	mm ² /s (cSt)	89
Kinematic viscosity at 100°C	mm ² /s (cSt)	13.5
Viscosity index		155
Pour point	°C	-36

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