

TRACTAGRI HDX SYN 10W-40



Very high performance semi-synthetic multigrade oil, specifically intended for lubricating very recent or more old diesel engines of tractors and agricultural machines.

APPLICATIONS

Agricultural materials

**All engines answering
TIER 1, TIER 2 or
TIER 3 standards**

All seasons

- Intended for lubricating agricultural engines, particularly those of recent technology that satisfy the Europe Phase IIIA (2006) or US EPA Tier 3 pollution control standard.
- Can be used in all tractor diesel engines including those not pollution controlled or which satisfy the TIER 1 (1999) or the TIER 2 (2002) pollution control standard.
- Particularly recommended for powerful engines, or those used in severe conditions specially in
 - harvester machines
 - tractors during soil preparation operation.
- Can be used in all agricultural diesel engines, including those that are naturally aspirated, as well as gasoline engines.

PERFORMANCES

**ACEA E7- 04
ACEA E5- 02**

API CI-4

All agricultural OEMs

- Exceeds the requirements of the highest current specifications :
 - ACEA E7 - 04
 - ACEA E5 - 02
 - API CI-4 / CH-4 / SL
- Satisfies the most recent requirements of the following engine manufacturers :
 - CASE NEW HOLLAND
 - DEERE
 - VALMET
 - SAME
 - IVECO
 - PERKINS
 - SISU
- And those of the following manufacturers :
 - CUMMINS : 20076 / 20077 / 20078
 - MAN : M 3275
 - DEUTZ : DQC II-05
 - DAIMLER CHRYSLER : MB 228.3
 - CATERPILLAR : ECF-1

CUSTOMER BENEFITS

Total safety

Longer oil change intervals

Easy starting

Engine + hydraulic application

- Excellent thermal stability, ensuring a capacity to resist to excessive temperatures of hot parts of the engine, even in summer.
- Excellent oxidation resistance, guaranteeing the best possible lubrication throughout the oil life, particularly in recent engines with longer oil change intervals.
- Good fluidity when cold, for easier startings
- Can be used for lubricating all types of engines, including older models, (not pollution controlled), and those of recent generation that satisfy the 3 European pollution control standards.
- Its fluid viscosity grade (10W) permits a use in independent hydraulic circuits.

CHARACTERISTICS

| TRACTAGRI HDX SYN | Units | 10W-40 |
|-------------------------------|--------------------|--------|
| Volumetric mass at 15 °C | kg/dm ³ | 0.874 |
| Kinematic viscosity at 40° C | mm ² /s | 94 |
| Kinematic viscosity at 100° C | mm ² /s | 14.3 |
| Dynamic viscosity at – 25° C | mPa.s | 6650 |
| Viscosity index | | 156 |
| Pour point | ° C | -39 |

The typical characteristics mentioned represent mean values