



# TRACTAGRI HDX SYN 10W-40



Very high performance semi-synthetic multigrade oil, specifically intended for lubricating very recent or older 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 diesel or gasoline engines, including those installed in passenger cars.

## PERFORMANCES

**Classifications**

ACEA : E7 / E5  
ACEA : A3 / B4 / B3  
API : CI-4 / CH-4 / SL

**Manufacturers approvals**

DAIMLER : MB-Approval 228.3  
CUMMINS : CES 20078 (20077 / 20076)  
DEUTZ : DQC III-10

**Suitable for tractor engine**

CATERPILLAR : ECF-1a (ECF-1)

CASE NEW-HOLLAND, DEERE, FENDT, IVECO,  
MASSEY-FERGUSON, PERKINS, SISU, SAME, VALMET...

## 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
Kinematic viscosity at 40° C	mm <sup>2</sup> /s	94
Kinematic viscosity at 100° C	mm <sup>2</sup> /s	14.3
Viscosity index		156
Pour point	° C	-39

*The typical characteristics mentioned represent mean values.*