



# TRACTAGRI HDZ 10W-40



**“Low-SAPS” lubricant** especially developed for engines used in **tractors** and **agricultural equipments**, with or without **Diesel particulate filters**.

## SPECIFICATIONS AND APPROVALS

### International specifications

ACEA E9/E7/E5

API CJ-4/CI-4 plus/CI-4/SM

### Manufacturers' approvals

- ✓ Cummins CES 20081
- ✓ Deutz DQC III-10 LA
- ✓ MB-Approval 228.31

### Meets the requirements of

- ✓ Caterpillar ECF-3/ECF-2/ECF-1a
- ✓ CNH MAT 3521

### Suitable for the engines of the following machines:

CASE, NEW-HOLLAND, CLAAS, FENDT, MASSEY-FERGUSON, Mc CORMICK, SAME, VALTRA...

### Suitable when the following specifications are recommended

- ✓ John Deere JDQ 78X

## APPLICATIONS

TOTAL TRACTAGRI HDZ 10W-40 has been especially developed for **agricultural Diesel engines** that meet **European standard Stage IV** and **American standard EPA Tier 4 final** or lower emission standards.

Thanks to its **“low-SAPS”** (low Sulphated Ash, Phosphorus and Sulphur) technology, TOTAL TRACTAGRI HDZ 10W-40 is designed for the latest Diesel engines equipped with **post-treatment systems**, such as Diesel particulate filters (DPF).

TOTAL TRACTAGRI HDZ 10W-40 is recommended, **throughout the year**, for engines of **tractors, harvesters** and **other agricultural equipments**. This lubricant is adapted to **all engines** of old or recent generation regardless to any **brands or types**.

## PERFORMANCES AND CUSTOMER BENEFITS

TOTAL TRACTAGRI HDZ 10W-40 exhibits **excellent thermal stability** ensuring efficient lubrication of hot engine parts during severe and long working periods, even in summer.

Its **high viscosity** resists to high pressure between engine pieces and supports an eventual fuel dilution.

The advanced **“low-SAPS”** formulation of TOTAL TRACTAGRI HDZ 10W-40 helps prevent the clogging of the Diesel particulate filter (DPF) and extends the post-treatment system durability.

## PHYSICAL AND CHEMICAL CHARACTERISTICS\*

TOTAL TRACTAGRI HDZ 10W-40		Method	Value
Density at 15°C	kg/m <sup>3</sup>	ASTM D1298	868
Kinematic Viscosity at 40°C	mm <sup>2</sup> /s	ASTM D445	109
Kinematic Viscosity at 100°C	mm <sup>2</sup> /s	ASTM D445	15.5
Viscosity Index	-	ASTM D2270	150
Pour Point	°C	ASTM D97	-36
T.B.N	mgKOH/g	ASTM D2896	10.5
Sulphated Ash	% m/m	ASTM D874	1

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

### TOTAL LUBRIFIANTS

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### TOTAL TRACTAGRI HDZ 10W-40

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[www.lubricants.total.com](http://www.lubricants.total.com)



This lubricant does not cause adverse health effects when used in the intended application.

A safety datasheet is accessible on request from your local dealer or on the website [www.quickfds.com](http://www.quickfds.com)