



TRACTAGRI HDX SYN 10W-40



Semi-synthetic lubricant with very high performance designed for turbocharged or naturally aspirated engines used in tractors and agricultural machines.

SPECIFICATIONS AND APPROVALS

International specifications	ACEA E7/E5 A3/B4/B3	API CI-4/CH-4/SL
Manufacturers' approvals	Meets the requirements of	
<ul style="list-style-type: none"> ✓ Cummins CES 20078/20077/20076 ✓ Deutz DQC III-10 ✓ MB-Approval 228.3 	<ul style="list-style-type: none"> ✓ Caterpillar ECF-1a 	
	Suitable for the following engines	
	CASE, NEW-HOLLAND, DEERE, FENDT, IVECO, MASSEY-FERGUSON, PERKINS, SAME, SISU, VALMET...	

APPLICATIONS

TOTAL TRACTAGRI HDX 15W-40 has been especially developed for **agricultural engines** that meet **European standard Stage IIIA (2006)** and **American standard EPA Tier 3**. This lubricant is also suitable in **all tractor Diesel engines**, without pollution control or meeting Tier 1 (1999) and Tier 2 (2002) emission standards.

TOTAL TRACTAGRI HDX SYN 10W-40 is suitable for **all Diesel and gasoline engines**, including passenger cars.

It is particularly recommended for powerful engines or used in **severe conditions**, more precisely for **harvesting equipments** and **soil preparation machines**.

PERFORMANCES AND CUSTOMER BENEFITS

TOTAL TRACTAGRI HDX SYN 10W-40 has **high thermal stability** ensuring efficient lubrication of hot engine pieces during severe and long working periods, even in summer.

Its **excellent oxidation resistance** guarantees proper lubrication during the oil life, particularly in recent engines with longer oil drain intervals.

The **good level of fluidity when cold** of TOTAL TRACTAGRI HDX SYN 10W-40, allows **smooth cold starts** and use in independent hydraulic systems.

PHYSICAL AND CHEMICAL CHARACTERISTICS*

TOTAL TRACTAGRI HDX SYN 10W-40		Method	Value
Density at 15°C	kg/m ³	ASTM D1298	874.2
Kinematic Viscosity at 40°C	mm ² /s	ASTM D445	97.3
Kinematic Viscosity at 100°C	mm ² /s	ASTM D445	15
Viscosity Index	-	ASTM D2270	162
Pour Point	°C	ASTM D97	-33
T.B.N	mgKOH/g	ASTM D2896	10.5
Sulphated Ash	% m/m	ASTM D874	1.48

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

TOTAL LUBRIFIANTS
562, avenue du Parc de l'Île
92029 Nanterre cedex
FRANCE

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Update 07/2014

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