



# SINTFLAG UHPDO UNIVERSAL 10W/40

29/07/2014

## PRODUCT CATEGORY: 4 STROKE ENGINE OIL

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The **SINTFLAG UHPDO UNIVERSAL 10W/40** is placed to the latest frontier in terms of technological innovation and represents a breakthrough in the lubrication of heavy-duty vehicles. In fact, it has a very wide scope of application being able to meet, thanks to an accurate research in formulation, all ACEA 2012 specifications (E4, E6, E7, and E9) and is, therefore, the first universal motor oil ever!

Thanks to this unique peculiarity it lends itself particularly to be the reference product for all mixed fleets, in which the use of a single one lubricant for all the different types of vehicles of the fleet is the winning choice in terms of simplification, saving, and efficiency.

The product is consequently suitable for all kind of modern heavy-duty diesel engines, aspirated or turbocharged, with exhaust gases after-treatment systems in accordance up to the Euro VI regulation, and, finally, with or without Diesel Particulate Filter (DPF).

The extremely high quality of the synthetic base and a careful additive package provide excellent behaviour in service in every driving conditions and in severe operations, with all types of diesel. The **SINTFLAG UHPDO UNIVERSAL 10W/40** allows an extension of oil change intervals in accordance with as provided by the manufacturers. The main advantages of the product occur in:

- **Greater engine cleanliness and protection against wear**
- **Better protection against ring sticking**
- **Excellent low temperature fluidity**
- **Maximization and option to extend oil change intervals**
- **Unification of oil type**

Specially developed for gas-powered engines with or without turbocharger (for engines operating with compressed natural, CNG, or liquefied petroleum gas, LPG).

## SPECS COMPLIANCE:

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**ACEA** E9, E7, E6, E4

**CATERPILLAR** ECF-3

**DETROIT DIESEL** 93K218

**MACK** EO-N Premium Plus, EO-O Premium Plus

**MB** 228.31, 228.51

**RENAULT TRUCKS** RVI, RLD-2, RLD-3

**API** CJ-4

**CUMMINS** CES 20081

**DEUTZ** DQC-IV-10 LA

**MAN** M3271-1, M3477, M3575

**MTU** Type 3.1, 2.1

**VOLVO** VDS-4



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## CHARACTERISTICS (TYPICAL FIGURES):

<i>PROPERTIES</i>	<i>U.M.</i>	<i>VALUE</i>	<i>METHOD</i>
Aspect	-	clear	
Color	-	3.0	ASTM D-1500
Density (at 20 °C)	kg/dm <sup>3</sup>	0.865	ASTM D-4052
Viscosity (at 100 °C)	cSt	14.0	ASTM D-7279
Viscosity (at 40 °C)	cSt	93	ASTM D-7279
Viscosity Index (VI)	-	155	ASTM D-2270
Flash point	°C	220	ASTM D-92
Pour point	°C	-30	ASTM D-5950
CCS (at -25 °C)	cP	6500	ASTM D-5293

The above data are not specific and are subject to normal manufacturing tolerances.