



# SINTFLAG UHPDO MED SAPS 10W/40

10/06/2016 – Rev. 1

## PRODUCT CATEGORY: 4 STROKE ENGINE OIL

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The **SINTFLAG UHPDO MED SAPS 10W/40** is a premium synthetic *mid-SAPS* (Sulphated Ash, Phosphorus, and Sulphur) and multigrade engine oil specially formulated to meet the superior performance and fuel efficiency requirements of modern heavy-duty engines. It has been developed for use up to Euro VI compliant vehicles using after treatment devices and it is suitable for engines without particulate filters. Enhanced oil flow gives the essential protection during start-up (especially to bearings at low temperatures) minimizing friction and wear, and reducing noise.

Increased film strength at high temperatures provides more engine efficiency, output and fuel economy, whilst avoiding thermal breakdown even in extreme service.

Advanced additive technology provides long-term benefits including: reduced wear on critical valve-train components, tappets and camshafts of modern multi-valve engines; and greater turbo-charger protection.

The **SINTFLAG UHPDO MED SAPS 10W/40** is characterized by:

- **Superior cold engine start up performance**
- **Low levels of volatility**
- **Better thermal stability and improved engine cleanliness**
- **Anti-sludge control**

## SPECS COMPLIANCE:

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**ACEA** E4, E7

**CATERPILLAR** ECF-1-a

**DETROIT DIESEL** DDC93K215

**GLOBAL** DHD-1

**MAN** M3277, M3377

**MTU** Type 3

**VOLVO** VDS-3

**API** CI-4

**CUMMINS** CES 20078

**DEUTZ** DQC-IV-10, III-10

**MACK** EO-M Plus

**MB** 228.5

**RENAULT TRUCKS** RXD, RLD-2



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## CHARACTERISTICS (TYPICAL FIGURES):

<i>PROPERTIES</i>	<i>U.M.</i>	<i>VALUE</i>	<i>METHOD</i>
Aspect	-	clear	
Color	-	3.5	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	91	ASTM D-7279
Viscosity Index (VI)	-	160	ASTM D-2270
Flash point	°C	230	ASTM D-92
Pour point	°C	-33	ASTM D-5950
CCS (at -25 °C)	cP	6400	ASTM D-5293

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