



Hengst Type	Description 1	Description 2	Packing Litre	Packing Unit
X1040S03-1	10W-40 HD LA	Fully Synthetic Engine Oil	1	12/624
X1040S03-4	10W-40 HD LA	Fully Synthetic Engine Oil	4	4/192
X1040S03-20	10W-40 HD LA	Fully Synthetic Engine Oil	20	1/45
X1040S03-205	10W-40 HD LA	Fully Synthetic Engine Oil	205	1/4
X1040S03-1K	10W-40 HD LA	Fully Synthetic Engine Oil	1000	1/1



10W-40 HD LA

FULLY SYNTHETIC ENGINE OIL

A full synthetic lubricant based on carefully selected very high quality base oil, for the highest performance requirements in heavy duty applications. It can be used for engines equipped with after treatment systems, in combination with low-sulfur diesel (maximum 50 ppm).

Applications

Due to its versatile specification levels it is suitable for a wide range of commercial vehicles. Specifically recommended for large heavy duty engines to satisfy the EURO V-standard and suitable for most Euro VI engines. Perfectly compatible with all after treatment systems and devices (EGR, SCR, DPF, etc.) in combination with low sulfur diesel (max 50 ppm). Can also be used in older diesel engines (Euro II, III, IV). Also suitable for some gas-powered engines (CNG).

Features

After treatment protection: full after treatment system protection. Total engine protection: outstanding engine cleanliness and durability. Fuel economy: lower fuel economy and CO2 emissions.

Specification Levels

ACEA E6-12	DEUTZ DQC-III-10 LA	MB 228.51
ACEA E7-12	JASO DH-2	MTU OIL CAT. 3.1
API CI-4	MACK EO-N	RENAULT RGD
CUMMINS CES 20076	MAN 3271-1	RENAULT RLD-2
CUMMINS CES 20077	MAN M3477	RENAULT RXD
DAF MEET REQUIREMENTS	MB 226.9	VOLVO VDS-3

Typical Characteristics

Test	Method	Unit	Average Results
Density at 15°C	ASTM D4052	g/ml	0.858
Kinematic viscosity at 40°C	ASTM D445	mm ² /s	86.2
Kinematic viscosity at 100°C	ASTM D445	mm ² /s	14
Viscosity index	ASTM D2270	-	168
B.N. (HClO ₄ method)	ASTM D2896	mg KOH/g	9.6
Pour point	ASTM D6892	°C	-36
Sulfated Ash	ASTM D874	Mass %	0.95
Flash Point COC	ASTM D92	°C	230
CCS viscosity at -25°C	ASTM D5293	mPa.s	5700