



MAXIMUS HD-E 5W-30

New Generation, Fully synthetic Diesel Engine Oil for Euro 6 Engines

Description

New generation fully synthetic diesel engine oil for euro 6 engines. It is specially formulated using superior quality synthetic base oils and new generation performance additives.

Application

Recommended for all applications involving heavy duty diesel engine commercial vehicles, agriculture, mining, construction machines equipped with a diesel engine, especially with DPF, EGR and SCR diesel engines.

Benefits

- Maximus HD-E 5W-30 have **latest MAN approval M 3677**
- Features stable viscosity properties that contribute to the **reduction of oil consumption up to 40%** (with respect to D12D460 engine test limits), while improving **fuel economy 1.36%** with respect to conventional SAE 15W-40 engine oil. (See images on last pages)
- Reduces the emission values.
- Improves engine life and reduces maintenance by providing good anti-wear protection due to its synthetic and low ash structure.
- Reduces the necessity of frequent oil replacements.
- Prevents formation residue and keeps the engines clean due to its excellent resistance to oxidation.
- Reduces the emission values.

Performance

API CJ-4,
ACEA E9-08, E7-08, E6-08,
JASO DH-2,
MB-Approval 228.51, MB-Approval 228.31,
MAN M3677, M3477, M3271-1,
Volvo VDS-4, RENAULT TRUCKS RLD-3, RXD
CUMMINS CES 20081
MTU Type 3.1,
MACK EO-0 PREMIUM PLUS,
DEUTZ DQC IV-10 LA,
DETROIT DIESEL DDC93K218, C
ATERPILLAR ECF-3, ECF-2, ECF-1-a



Typical Specifications*

Test	Unit	Method	5W-30
Density	kg/m ³	ASTM D 1298	0.8553
Flash Point COC	°C	ASTM D 92	226
Pour Point	°C	ASTM D 97	-48
Viscosity @100 °C	mm ² /s (cSt)	ASTM D 445	11.44
Viscosity @40 °C	mm ² /s (cSt)	ASTM D 445	69.66
Viscosity after shear @100 °C (90 çevrim)	mm ² /s (cSt)	ASTM D7109	11.34
Low temperature dynamic viscosity (CCS) @ -25 °C	mPas (cP)	ASTM D 5293	6090 @-30
Low temperature pump ability (MRV)	mPas (cP)	ASTM D 4684	16300 @-35
High temperature high shear viscosity @150 °C (HTHS)	mPas (cP)	ASTMD4683 or CEC L-36-A-97	3.53
High temperature high shear viscosity after shear 150 °C (HTHS) ASTM D7109 (90 çevrim)	mPas (cP)	ASTMD4683 or CEC L-36-A-97	3.52
Evaporation Loss (Noack)	%	ASTM D445	11.5
Sulfated ash	% w/w	ASTM D5800 or CEC L-40-A-93	0.99
Phosphor content	% w/w	ASTM D 874	0.0746
Sulphur content	% w/w	ASTM D4951	0.28
Foam Test		ASTM D4951	
	Sq. I ml/ml		0/0
	Sq. II ml/ml	ASTM D 892	20/0
	Sq. III ml/ml		0/0
Copper strip corrosion		ASTM D130	1A

*Values are changable according to the production.

