

CHAMPION NEW ENERGY

10W-30 HD EXTRA

This is a higher TBN 15 semi synthetic lubricant based on carefully selected very high quality base oils of the latest generation, for the lubrication of all diesel engines in on- and off-highway applications. The excellent fluidity at variable temperature conditions reduces wear and fuel consumption. Its high thermal stability and embedded dispersants allows longer oil drain intervals and keeping the engine parts cleaner in more extreme conditions.

APPLICATIONS

This oil is suitable for heavy-duty on- and off-highway applications, agriculture and construction.

FEATURES

Total engine protection: outstanding engine cleanliness and durability

Cold start: very good fluidity at low temperature

SPECIFICATIONS

ACEA	A3/B4	DEUTZ	DQC-III-10
ACEA	E7	DEUTZ	DQC-III-18
API	CF-4	DTFR	15B110
API	CG-4	GLOBAL	DHD-1
API	CH-4	IVECO	18-1804 Classe T2 E7
API	CI-4/SL	MACK	EO-L
JASO	DH-1	MACK	EO-M PLUS
ALLISON	C4	MACK	EO-N
CATERPILLAR	ECF-1a	MAN	M3275-1
CATERPILLAR	ECF-2	MB	229.1
CATERPILLAR	TO-2	MTU	Oil Category 1
CUMMINS	CES 20076	MTU	Oil Category 2
CUMMINS	CES 20077	RENAULT	RLD
CUMMINS	CES 20078	RENAULT	RLD-2
DETROIT DIESEL	DFS 93K215	VOLVO	VDS-3

TYPICAL CHARACTERISTICS

Test	Method	Unit	Average results
Density at 15°C	ASTM D4052	g/ml	0.860
Kinematic viscosity at 40°C	ASTM D445	mm²/s	69.3
Kinematic viscosity at 100°C	ASTM D445	mm²/s	11.4
Viscosity index	ASTM D2270		158
B.N. [HClO4 method]	ASTM D2896	mg KOH/g	15.3
Pour point	ASTM D6892	°C	-36
Flash Point COC	ASTM D92	°C	228

We reserve the right to alter the general characteristics of our products in order to let our customers benefit of the latest technical evolutions.

CHAMPION CHEMICALS NV

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