

CHAMPION OEM SPECIFIC 10W30 MS EXTRA

This heavy-duty diesel engine oil is a semi-synthetic lubricant offering exceptional wear resistance. It is capable of maintaining its original composition thanks to its outstanding oxidation resistance, shear resistance and aeration control, giving it an increased drain interval compared to previous formulations.

APPLICATIONS

Both modern and older engines benefit from the backward compatible heavy-duty diesel engine oil for most OEMs, making it a perfect match for a wide range of engine types. It is capable of offering optimal protection to a range of Caterpillar, Mack, Renault, Volvo and other market-leading engines with or without after-treatment system, turbocharger or supercharger. It is compatible with emission control technology EURO IV, V and VI for trucks; as well as stage IIIB, IV and Tier 4i, 4f for heavy-duty off-road.

FEATURES

Improved engine cleanliness: Improved engine cleanliness

High wear protection: High wear protection

Increased oxidative stability: extended optimal oil performance.

PERFORMANCE

ACEA	E11	DETROIT DIESEL	DFS 93K222
ACEA	E9-16	DEUTZ	DQC-III-10 LA
API	approval CK-4	DEUTZ	DQC-III-18 LA
API	CI-4	FORD	WSS-M2C171-F1
API	CJ-4	JD	JDQ-78X
API	SN	MACK	approval EO-S 4.5
JASO	DH-1	MACK	EO-M PLUS
JASO	DH-2	MACK	EO-N
ALLISON	C4	MACK	EO-N Premium Plus
API	approval CI-4 Plus	MACK	EO-O Premium Plus
CATERPILLAR	ECF-1a	MAN	M3575
CATERPILLAR	ECF-2	MAN	M3775
CATERPILLAR	ECF-3	MB	228.31
CATERPILLAR	TO-2	MTU	Oil Category 2.1
CUMMINS	CES 20076	RENAULT	approval RLD-3
CUMMINS	CES 20077	RENAULT	RGD
CUMMINS	CES 20078	RENAULT	RLD
CUMMINS	CES 20081	RENAULT	RLD-2
CUMMINS	CES 20086	RENAULT	RLD-4
DAF	PSQL 2.1 E	RENAULT	RXD
DAIMLER TRUCK	DTFR 15C100	VOLVO	approval VDS-4.5
DETROIT DIESEL	DFS 93K215	VOLVO	VDS-3
DETROIT DIESEL	DFS 93K218	VOLVO	VDS-4

CHAMPION CHEMICALS NV

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CHAMPION
LUBRICANTS



TYPICAL CHARACTERISTICS

Test	Method	Unit	Average results
Density at 15°C	ASTM D4052	g/ml	0.860
Kinematic viscosity at 40°C	ASTM D445	mm ² /s	74.1
Kinematic viscosity at 100°C	ASTM D445	mm ² /s	11.6
Viscosity index	ASTM D2270		151
B.N. (HClO4 method)	ASTM D2896	mg KOH/g	8.2
Pour point	ASTM D6892	°C	-39
Sulfated Ash	ASTM D874	Mass %	1.0
Flash Point COC	ASTM D92	°C	232

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

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