

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.

SPECIFICATIONS

ACEA	E11	DEUTZ	DQC-III-18 LA
ACEA	E7	DTRF	15C100
ACEA	E9-16	FORD	WSS-M2C171-F1
API	approval CI-4 Plus	JD	JDQ-78X
API	approval CK-4	MACK	approval EO-S 4.5
API	CI-4	MACK	EO-M PLUS
API	CJ-4	MACK	EO-N
API	SN	MACK	EO-N Premium Plus
CHINESE STANDARD	D1	MACK	EO-O Premium Plus
JASO	DH-1	MAN	M3575
JASO	DH-2	MAN	M3775
ALLISON	C4	MTU	Oil Category 2.1
CATERPILLAR	ECF-1a	RENAULT	approval RLD-3
CATERPILLAR	ECF-2	RENAULT	RGD
CATERPILLAR	ECF-3	RENAULT	RLD
CATERPILLAR	TO-2	RENAULT	RLD-2
CUMMINS	CES 20076	RENAULT	RLD-4
CUMMINS	CES 20077	RENAULT	RXD
CUMMINS	CES 20078	VOLVO	approval VDS-4.5
CUMMINS	CES 20081	VOLVO	VDS-3
CUMMINS	CES 20086	VOLVO	VDS-4
CUMMINS	CES 20100		
DAF	PSQL 2.1 E		
DETROIT DIESEL	DFS 93K215		
DETROIT DIESEL	DFS 93K218		
DETROIT DIESEL	DFS 93K222		
DEUTZ	DQC-III-10 LA		

CHAMPION CHEMICALS NV

G. Gilliatstraat 52 – 2620 Hemiksem – Belgium

Tel. +32 3 870 00 00

www.championlubes.com





TYPICAL CHARACTERISTICS

Test	Method	Unit	Average results
Density at 15°C	ASTM D4052	g/ml	0.8582
Kinematic viscosity at 40°C	ASTM D445	mm ² /s	70.46
Kinematic viscosity at 100°C	ASTM D445	mm ² /s	11.39
Viscosity index	ASTM D2270		155
B.N. (HCL04 method)	ASTM D2896	mg KOH/g	9.7
Pour point	ASTM D6892	°C	- 36
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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