CHAMPION <mark>OEM SPECIFIC</mark> 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 aftertreatment 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

ACEAE11DETROIT DIESELDFS 93R222ACEAE9-16DEUTZDQC-III-10 LAAPIapproval CK-4DEUTZDQC-III-18 LAAPICI-4FORDWSS-M2C171-F1APICJ-4JDJDQ-78XAPISNMACKapproval E0-S 4.5JASODH-1MACKE0-M PLUSJASODH-2MACKE0-M PLUSJASODH-2MACKE0-N Premium PlusAPIapproval CI-4 PlusMACKE0-N Premium PlusAPIapproval CI-4 PlusMACKE0-O Premium PlusCATERPILLARECF-1aMANM3575CATERPILLARECF-2MANM3775CATERPILLARECF-3MB228.31CATERPILLARCES 20076RENAULTapproval RLD-3CUMMINSCES 20077RENAULTRGDCUMMINSCES 20078RENAULTRLD-2CUMMINSCES 20086RENAULTRLD-2CUMMINSCES 20086RENAULTRLD-4DAFPSQL 2.1 ERENAULTRXDDAIMLER TRUCKDTFN SIGL00VOLVOVDS-3DETROIT DIESELDFS 93K218VOLVOVDS-3		F11		
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CUMMINSCES 20076RENAULTapproval RLD-3CUMMINSCES 20077RENAULTRGDCUMMINSCES 20078RENAULTRLDCUMMINSCES 20081RENAULTRLD-2CUMMINSCES 20086RENAULTRLD-4DAFPSQL 2.1 ERENAULTRXDDAIMLER TRUCKDTFR 15C100VOLVOapproval VDS-4.5DETROIT DIESELDFS 93K215VOLVOVDS-3	CATERPILLAR	ECF-3	МВ	228.31
CUMMINSCES 20077RENAULTRGDCUMMINSCES 20078RENAULTRLDCUMMINSCES 20081RENAULTRLD-2CUMMINSCES 20086RENAULTRLD-4DAFPSQL 2.1 ERENAULTRXDDAIMLER TRUCKDTFR 15C100VOLVOapproval VDS-4.5DETROIT DIESELDFS 93K215VOLVOVDS-3	CATERPILLAR	TO-2	MTU	Oil Category 2.1
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CUMMINSCES 20081RENAULTRLD-2CUMMINSCES 20086RENAULTRLD-4DAFPSQL 2.1 ERENAULTRXDDAIMLER TRUCKDTFR 15C100VOLVOapproval VDS-4.5DETROIT DIESELDFS 93K215VOLVOVDS-3	CUMMINS	CES 20077	RENAULT	RGD
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DAIMLER TRUCKDTFR 15C100VOLVOapproval VDS-4.5DETROIT DIESELDFS 93K215VOLVOVDS-3	CUMMINS	CES 20086	RENAULT	RLD-4
DETROIT DIESEL DFS 93K215 VOLVO VDS-3	DAF	PSQL 2.1 E	RENAULT	RXD
	DAIMLER TRUCK	DTFR 15C100	VOLVO	approval VDS-4.5
DETROIT DIESEL DFS 93K218 VOLVO VDS-4	DETROIT DIESEL	DFS 93K215	VOLVO	VDS-3
	DETROIT DIESEL	DFS 93K218	VOLVO	VDS-4

CHAMPION CHEMICALS NV

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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	74.1
Kinematic viscosity at 100°C	ASTM D445	mm²/s	11.6
Viscosity index	ASTM D2270		151
B.N. (HCLO4 method)	ASTM D2896	mg KOH/g	8.2
Pour point	ASTM D6892	٥C	-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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