CHAMPION OEM SPECIFIC 10W-40 MS EXTRA

This semi-synthetic lubricant extends the lifespan of the equipment by offering excellent wear resistance and engine cleanliness. The high level of wear resistance is obtained through the additive package's outstanding oxidation resistance, shear resistance and aeration control. The formulation is altered to extend the lifespan of the application compared to previous comparable engine oil formulations.

APPLICATIONS

A wide range of different original equipment manufacturer specifications are met by this excellent heavy-duty engine oil. This engine oil's full backward compatibility with the CJ-4 specification turns it into a versatile solution for both on- and off-road applications. 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

Extended wear protection: extended lifespan of the equipment. Improved shear stability: extended optimal oil performance. Improved engine cleanliness: increased vehicle uptime.

SPECIFICATIONS

ACEA	E11	
ACEA	E7	
ACEA	E9-16	
API	CI-4	
API	CI-4 Plus	
API	CJ-4	
API	CK-4	
API	SN	
API	SP	
CHINESE STANDARD	D1	
JAS0	DH-1	
JAS0	DH-2	
ALLISON	C4	
ALLISON	TES 439	
CATERPILLAR	ECF-1a	
CATERPILLAR	ECF-2	
CATERPILLAR	ECF-3	
CATERPILLAR	T0-2	
CUMMINS	CES 20076	
CUMMINS	CES 20077	
CUMMINS	CES 20078	
CUMMINS	CES 20081	
CUMMINS	CES 20086	
CUMMINS	CES 20100	
DETROIT DIESEL	DFS 93K215	
DETROIT DIESEL	DFS 93K218	
DETROIT DIESEL	DFS 93K222	

DEUTZ	approval DQC-III-18 LA	
DEUTZ	DQC-III-10 LA	
DTFR	approval 15C100	
FORD	WSS-M2C171-F1	
JD	JDQ-78X	
MACK	approval EO-S 4.5	
MACK	EO-M PLUS	
MACK	EO-N	
MACK	EO-N Premium Plus	
MACK	EO-O Premium Plus	
MAN	approval M3775	
MAN	M3575	
MTU	approval Oil Category 2.1	
RENAULT	approval RLD-3	
RENAULT	RGD	
RENAULT	RLD	
RENAULT	RLD-2	
RENAULT	RLD-4	
RENAULT	RXD	
VOITH	Retarder Oil Class B	
VOLVO	approval VDS-4.5	
VOLVO	VDS-3	
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	0.859
Kinematic viscosity at 40°C	ASTM D445	mm²/s	87.5
Kinematic viscosity at 100°C	ASTM D445	mm²/s	13.8
Viscosity index	ASTM D2270		162
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	224

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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