

OEM SPECIFIC

10W40 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.

SPECIFICATION LEVEL

ACEA	E9	MAN	M3575
API	CJ-4	MB	228.31
API	CK-4	MTU	Oil Category 2.1
API	SN	RENAULT	RLD-3
CATERPILLAR	ECF-3	RENAULT	RLD-4
CUMMINS	CES 20086	VOLVO	VDS-4.5
DETROIT DIESEL	DFS 93K222	DEUTZ	DQC-III-18 LA
DEUTZ	DQC-III-10 LA	FORD	WSS-M2C171-F1
JASO	DH-2	MAN	M3775
MACK	EO-S 4.5		

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	9.5
Pour point	ASTM D6892	°C	-45
Sulfated Ash	ASTM D874	Mass %	1.0
Flash Point COC	ASTM D92	°C	224

CHAMPION CHEMICALS NV

G. Gilliotstraat 52 – 2620 Hemiksem – Belgium

Tel. +32 3 870 00 00

www.championlubes.com

CHAMPION®