

OEM SPECIFIC

15W40 MS EXTRA

Keeping the engine in optimal condition, therefore increasing vehicle uptime, is the core task of this low SAPS oil. It achieves this by offering high wear resistance and complete engine cleanliness, optimising vehicle uptime compared to previous engine oil formulations. The engine oil's high viscosity grade enables this engine oil to maintain its excellent protective properties, even in hot climates and rough conditions.

APPLICATIONS

This versatile product meets the requirements of challenging specifications like the Mack EO-S 4.5, Renault RLD-4 or Volvo VDS-4.5. It is backward compatible with preceding oil categories like CJ-4, suiting the needs of both recent and older engines. 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: increased operating hours.

High wear protection: increased engine lifespan.

Increased oxidative stability: extended optimal oil performance.

SPECIFICATION LEVEL

ACEA	E9-16	JASO	DH-2
API	CK-4	MACK	Approval EO-S 4.5
API	CJ-4	MB	Approval 228.31
CATERPILLAR	ECF-3	MTU	Oil Category 2.1
CUMMINS	CES 20086	RENAULT	RLD-4
DETROIT DIESEL	DFS 93K222	VOLVO	Approval VDS-4.5
DEUTZ	DQC-III-10 LA		

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	92.5
Kinematic viscosity at 100°C	ASTM D445	mm²/s	13.7
Viscosity index	ASTM D2270		150
B.N. (HClO4 method)	ASTM D2896	mg KOH/g	9.5
Pour point	ASTM D6892	°C	-42
Sulfated Ash	ASTM D874	Mass %	1.0
Flash Point COC	ASTM D92	°C	226

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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