

# CHAMPION OEM SPECIFIC 15W40 MS

This is a "Low SAPS" oil, made of specially selected, high-quality base oils and a customized additive package, in order to meet Euro V, EURO VI and U.S. EPA 07 emission standards. Compared to other motor oils, it offers exceptional protection against wear and guarantees lower pollution.

## APPLICATIONS

Suitable for all four-stroke diesel Euro V and Euro VI engines of trucks, with or without catalysts [e.g. SCR] or particulate filter. Meets most American and European manufacturers requirements and can also be used in older engines [Euro III and IV].

## FEATURES

Aftertreatment protection: full aftertreatment system protection

Total engine protection: outstanding engine cleanliness and durability

Drain interval extension: long oil drain interval

## SPECIFICATIONS

<b>ACEA</b>	E11	<b>DETROIT DIESEL</b>	DFS 93K218
<b>ACEA</b>	E7	<b>DEUTZ</b>	DQC-III-10 LA
<b>ACEA</b>	E9-16	<b>DTFR</b>	approval 15C100
<b>API</b>	CI-4 Plus	<b>GLOBAL</b>	DHD-1
<b>API</b>	CJ-4/SN	<b>MACK</b>	EO-O Premium Plus
<b>JASO</b>	DH-2	<b>MAN</b>	M3575
<b>CATERPILLAR</b>	ECF-2	<b>MTU</b>	Oil Category 2.1
<b>CATERPILLAR</b>	ECF-3	<b>RENAULT</b>	RLD-3
<b>CUMMINS</b>	CES 20081	<b>VOLVO</b>	VDS-4

## TYPICAL CHARACTERISTICS

Test	Method	Unit	Average results
Density at 15°C	ASTM D4052	g/ml	0.864
Kinematic viscosity at 40°C	ASTM D445	mm <sup>2</sup> /s	93.1
Kinematic viscosity at 100°C	ASTM D445	mm <sup>2</sup> /s	13.6
Viscosity index	ASTM D2270		147
B.N. [HCL04 method]	ASTM D2896	mg KOH/g	8.2
Pour point	ASTM D6892	°C	-36
CCS viscosity at -20°C	ASTM D5293	mPa.s	4000
Sulfated Ash	ASTM D874	Mass %	1.0
Flash Point COC	ASTM D92	°C	225

We reserve the right to alter the general characteristics of our products in order to let our customers benefit of the latest technical evolutions.

### CHAMPION CHEMICALS NV

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