

# CHAMPION NEW ENERGY 15W40

This is a high-performance mineral diesel engine oil formulated to deliver reliable performance in a broad range of heavy-duty applications. It is suitable for low-emission engines (Euro II, Euro III and some Euro IV engines).

## APPLICATIONS

Recommended for all modern diesel engines of trucks, off-road equipment and other heavy-duty applications. Universal use, including mixed fleets. Suitable for low-emission diesel engines with EGR (Euro II, III and some Euro IV). Meets and exceeds the demanding requirements of many U.S. and European diesel engine manufacturers.

## FEATURES

Total engine protection: outstanding engine cleanliness and durability

## SPECIFICATIONS

<b>ACEA</b>	A3/B4	<b>DEUTZ</b>	approval DQC-III-18
<b>ACEA</b>	E7	<b>DEUTZ</b>	DQC-III-10
<b>API</b>	approval CI-4/SL	<b>GLOBAL</b>	DHD-1
<b>API</b>	CF-4	<b>IVECO</b>	18-1804 Classe T2 E7
<b>API</b>	CG-4	<b>MACK</b>	approval EO-N
<b>API</b>	CH-4	<b>MACK</b>	EO-L
<b>JASO</b>	DH-1	<b>MACK</b>	EO-M PLUS
<b>ALLISON</b>	C4	<b>MAN</b>	M3275-1
<b>CATERPILLAR</b>	ECF-1a	<b>MB</b>	229.1
<b>CATERPILLAR</b>	ECF-2	<b>MB</b>	approval 228.3
<b>CATERPILLAR</b>	TO-2	<b>MTU</b>	approval Oil Category 2
<b>CUMMINS</b>	CES 20076	<b>MTU</b>	Oil Category 1
<b>CUMMINS</b>	CES 20077	<b>RENAULT</b>	approval RLD-2
<b>CUMMINS</b>	CES 20078	<b>RENAULT</b>	RLD
<b>DAIMLER TRUCK</b>	approval DTFR 15B110	<b>VOLVO</b>	approval VDS-3
<b>DETROIT DIESEL</b>	DFS 93K215		

### CHAMPION CHEMICALS NV

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## TYPICAL CHARACTERISTICS

Test	Method	Unit	Average results
Density at 15°C	ASTM D4052	g/ml	0.886
Kinematic viscosity at 40°C	ASTM D445	mm <sup>2</sup> /s	97
Kinematic viscosity at 100°C	ASTM D445	mm <sup>2</sup> /s	13.8
Viscosity index	ASTM D2270		144
B.N. (HCL04 method)	ASTM D2896	mg KOH/g	10.1
Pour point	ASTM D6892	°C	-36
CCS viscosity at -20°C	ASTM D5293	mPa.s	6500
Sulfated Ash	ASTM D874	Mass %	1.49
Flash Point COC	ASTM D92	°C	220

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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