

CHAMPION NEW ENERGY 20W50

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.
Cold start: very good fluidity at low temperature.

SPECIFICATIONS

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

CHAMPION CHEMICALS NV

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www.championlubes.com

CHAMPION
LUBRICANTS



TYPICAL CHARACTERISTICS

Test	Method	Unit	Average results
Density at 15°C	ASTM D4052	g/ml	0.892
Kinematic viscosity at 40°C	ASTM D445	mm ² /s	177
Kinematic viscosity at 100°C	ASTM D445	mm ² /s	18.0
Viscosity index	ASTM D2270		112
B.N. (HCL04 method)	ASTM D2896	mg KOH/g	10.7
Pour point	ASTM D6892	°C	-30
Sulfated Ash	ASTM D874	Mass %	1.34
Flash Point COC	ASTM D92	°C	232

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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