

CHAMPION OEM SPECIFIC 10W40 S3

This is a semi synthetic lubricant based on carefully selected very high quality base oils. This "long-drain" oil is engineered to provide outstanding lubrication to modern, high performance diesel engines.

APPLICATIONS

This oil is suitable for Euro IV and Euro V engines. Due to the high ash content, this oil is not suitable for most engines and vehicles equipped with a particulate filter.

FEATURES

Emission compatibility: superior emission reduction

Total engine protection: outstanding engine cleanliness and durability

Cold start: very good fluidity at low temperature

SPECIFICATIONS

ACEA	E4	MB	235.28
ACEA	E7	MTU	Oil Category 1
API	CF-4	MTU	Oil Category 2
API	CG-4	MTU	Oil Category 3
API	CH-4	RENAULT	approval RLD-2
API	CI-4/SL	RENAULT	RLD
JASO	DH-1	RENAULT	RXD
CATERPILLAR	ECF-1a	SCANIA	approval LDF-3
CATERPILLAR	ECF-2	SCANIA	LDF-2
CATERPILLAR	TO-2	VOITH	Retarder Oil Class B
CUMMINS	CES 20072	VOLVO	approval VDS-3
CUMMINS	CES 20076		
CUMMINS	CES 20077		
CUMMINS	CES 20078		
DAF	EXTENDED DRAIN		
DAIMLER TRUCK	DTFR 13D110		
DAIMLER TRUCK	DTFR 15B110		
DAIMLER TRUCK	DTFR 15B120		
DETROIT DIESEL	DFS 93K215		
DEUTZ	DQC-III-10		
DEUTZ	DQC-III-18		
GLOBAL	DHD-1		
IVECO	18-1804 Classe T2 E7		
IVECO	18-1804 Classe T3 E4		
MACK	approval EO-N		
MACK	EO-M PLUS		
MACK	EO-N Premium Plus		
MAN	M3275-1		
MAN	M3277		
MB	228.3		
MB	228.5		
MB	229.1		

CHAMPION CHEMICALS NV

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www.championlubes.com





TYPICAL CHARACTERISTICS

Test	Method	Unit	Average results
Density at 15°C	ASTM D4052	g/ml	0.870
Kinematic viscosity at 40°C	ASTM D445	mm ² /s	86.3
Kinematic viscosity at 100°C	ASTM D445	mm ² /s	13.3
Viscosity index	ASTM D2270		155
B.N. (HClO ₄ method)	ASTM D2896	mg KOH/g	16.1
Pour point	ASTM D6892	°C	-39
CCS viscosity at -25°C	ASTM D5293	mPa.s	6700
Sulfated Ash	ASTM D874	Mass %	1.9
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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