

CHAMPION OEM SPECIFIC 5W-30 UHPD LS

The state-of-the-art wear-reducing additives contained within this full synthetic ACEA E8/E11 low SAPS engine oil are engineered to combine stable oil performance with excellent engine protection, resulting in longer drain intervals without ever compromising on engine protection. The ultra-thin protective oil film retains its excellent protective properties over a wide range of temperatures. Furthermore, this low SAPS engine oil has high shear resistance, cutting down on maintenance costs by further optimizing drain intervals.

APPLICATIONS

Both off- and on-road heavy-duty applications with or without turbochargers, superchargers or after-treatment systems can be serviced with this ACEA E8/E11 low SAPS engine oil. It meets the specifications of a wide range of high-demanding OEM specifications including the newest of DAF and Daimler Truck. Thanks to its backward compatibility, this versatile engine oil can be used in both modern 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

Aftertreatment protection: full aftertreatment system protection

Fuel economy: superior fuel economy and CO₂ reduction

Total engine protection: outstanding engine cleanliness and durability

SPECIFICATIONS

ACEA	E11	DEUTZ	DQC IV-10 LA
ACEA	E6-16	DEUTZ	DQC-IV-10
ACEA	E7	DEUTZ	TTCD
ACEA	E8	FORD	WSS-M2C213-A1
ACEA	E9-16	IVECO	18-1804 Classe TLS E9
API	CI-4	LIEBHERR	LH-00-ENG LA
API	CJ-4	LIEBHERR	LH-00-ENG3A LA
API	CK-4	LIEBHERR	LH-00-ENG5C LA
JASO	DH-2	MACK	approval EO-S 4.5
CATERPILLAR	ECF-3	MACK	EO-M PLUS
CUMMINS	CES 20077	MACK	EO-N
CUMMINS	CES 20081	MACK	EO-N Premium Plus
CUMMINS	CES 20086	MACK	EO-O Premium Plus
DAF	EXTENDED DRAIN	MAN	approval M3677
DAF	PSQL 2.1 E	MAN	approval M3691
DAF	PSQL 2.1 E LD	MAN	approval M3775
DAIMLER TRUCK	approval DTFR 15C110	MAN	M3271-1
DAIMLER TRUCK	approval DTFR 15C120	MAN	M3277
DAIMLER TRUCK	DTFR 13D110	MAN	M3477
DAIMLER TRUCK	DTFR 15C100	MB	228.31
DETROIT DIESEL	DFS 93K218	MB	228.5
DETROIT DIESEL	DFS 93K222	MB	228.51
DEUTZ	approval DQC-IV-18 LA	MB	228.52

CHAMPION CHEMICALS NV

G. Gilliatstraat 52 - 2620 Hemiksem - Belgium

Tel. +32 3 870 00 00

www.championlubes.com



MB	235.28	RENAULT	RLD-4
MTU	Oil Category 2.1	RENAULT	RXD
MTU	Oil Category 3	SCANIA	approval LDF-4
MTU	Oil Category 3.1	SCANIA	LDF-3 [excl. V8 engines]
RENAULT	approval RLD-3	VOITH	Retarder Oil Class B
RENAULT	RGD	VOLVO	approval VDS-4.5
RENAULT	RLD	VOLVO	VDS-3
RENAULT	RLD-2	VOLVO	VDS-4

TYPICAL CHARACTERISTICS

Test	Method	Unit	Average results
Density at 15°C	ASTM D4052	g/ml	0.855
Kinematic viscosity at 40°C	ASTM D445	mm²/s	72.4
Kinematic viscosity at 100°C	ASTM D445	mm²/s	12.2
Viscosity index	ASTM D2270		167
B.N. [HCL04 method]	ASTM D2896	mg KOH/g	10
Pour point	ASTM D6892	°C	-36
Sulfated Ash	ASTM D874	Mass %	1.0
Flash Point COC	ASTM D92	°C	224

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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