

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	E6-16	MTU	Oil Category 2.1
ACEA	E7	MTU	Type 3.1
ACEA	E9-16	RENAULT	RLD-2
API	CJ-4	RENAULT	approval RLD-3
API	CK-4	SCANIA	approval LDF-4
API	SN	VOLVO	VDS-3
CATERPILLAR	ECF-3	VOLVO	VDS-4
CUMMINS	CES 20081	VOLVO	approval VDS-4.5
CUMMINS	CES 20086	MB	228.52
DAF	EXTENDED DRAIN	DEUTZ	approval DQC-IV-18 LA
DETROIT DIESEL	DFS 93K218	MAN	M3775
DETROIT DIESEL	DFS 93K222	IVECO	18-1804 Classe TLS E9
DEUTZ	DQC IV-10 LA	FORD	WSS-M2C213-A1
JASO	DH-2	DAF	PSQL 2.1 E LD
MACK	E0-0 Premium Plus	DAF	PSQL 2.1 E
MACK	approval E0-S 4.5	ACEA	E8
MAN	M3271-1	ACEA	E11
MAN	M3477	DAIMLER TRUCK	DTFR 13D110
MAN	M3677	DAIMLER TRUCK	DTFR 15C100
MB	228.31	DAIMLER TRUCK	DTFR 15C110
MB	228.51	DAIMLER TRUCK	DTFR 15C120
MB	235.28		

CHAMPION CHEMICALS NV

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TYPICAL CHARACTERISTICS

Test	Method	Unit	Average results
Density at 15°C	ASTM D4052	g/ml	0.855
Kinematic viscosity at 40°C	ASTM D445	mm ² /s	72.4
Kinematic viscosity at 100°C	ASTM D445	mm ² /s	12.2
Viscosity index	ASTM D2270		167
B.N. (HClO ₄ 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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