

CHAMPION XRS 10W-30 FE

High performance ACEA E11 / API CK-4 formulation specifically developed for the lubrication of equipment used in construction, agriculture and public works machines. It offers outstanding fuel saving and covers a wide set of applications such as engines, hydraulic systems, manual and powershift transmissions.

APPLICATIONS

Engine application: This oil is advised for the lubrication of heavy duty diesel engines and vehicles with and without particulate filter, it meets the requirements of the latest engine technologies with emission control systems Stage IIIB, Stage IV Final and Tier 4i, Tier 4 Final, as well as older generations (Stage I, II, IIIA, Tier 1, 2, 3). Gearboxes, powershift or manual, power take-off. Hydraulic systems of agricultural tractors and off-highway equipment.

FEATURES

Anti-wear and oxidation stability: proven protection of critical parts

Cold start: excellent fluidity at low temperature

CHAMPION CHEMICALS NV

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www.championlubes.com



PERFORMANCE

ACEA	A3/B4	EATON	GEARBOXES
ACEA	E11	FORD	WSS-M2C171-F1
ACEA	E9-16/E7/E5	GLOBAL	DHD-1
API	CJ-4/CI-4 Plus/CI-4/CH-4	HITACHI	Tier 4F engines
API	CK-4	JCB	Standard 4000/2500
API	GL-4/SAE30	JCMA	HK VG46L [Japan.OEM's]
ISO	VG 46[After 100h]/HV	JD	JDQ-78X
JASO	DH-1/DH-2	KOMATSU	CLUTCH: TO-10,30
JCMA	HK 46W[extend.drain]	KOMATSU	GEARBOXES
ALLISON	C4	KOMATSU	HO-46 [HV]
ALLISON	TES 439	KOMATSU	HO56-HE
CASE	MAT 3509	KOMATSU	HO-MVK
CASE	MAT 3571	KOMATSU	Tier 4F engines
CASE	MAT 3572	LIEBHERR	Hydraulic Systems
CASE	MAT 3622	LIEBHERR	Tier 4F engines
CASE	MS1230	MACK	approval EO-S 4.5
CASE	Tier 4F engines	MACK	EO-M PLUS
CATERPILLAR	ECF-3/ECF-2/ECF-1a	MACK	EO-N
CATERPILLAR	HYDO ADVANCED 10/30	MACK	EO-N Premium Plus
CATERPILLAR	HYDO ADVANCED 10W, 20-30	MACK	EO-O Premium Plus
CATERPILLAR	MT0	MAN	M3275-1/M3575
CATERPILLAR	SAT0	MAN	M3775
CATERPILLAR	TO-2	MB	228.3
CATERPILLAR	TO-4 [SAE10W,30]	MB	228.31
CATERPILLAR	TO-4M [SAE 10W30]	MTU	Oil Category 2 / 2.1
CUMMINS	CES 20086/81/78/77/76	PERKINS	Tier 4F engines
DAF	PSQL 2.1 E	RENAULT	approval RLD-3
DAIMLER TRUCK	approval DTFR 15C100	RENAULT	RGD
DAIMLER TRUCK	DTFR 15B110	RENAULT	RLD
DANA	GEARBOXES	RENAULT	RLD-2
DETROIT DIESEL	DFS 93K215	RENAULT	RLD-4
DETROIT DIESEL	DFS 93K218	RENAULT	RXD
DETROIT DIESEL	DFS 93K222	VOLVO	approval VDS-4.5
DEUTZ	approval DQC-III-18 LA	VOLVO	VDS-3/VDS-4
DEUTZ	DQC-III-10/10LA	ZF	TE-ML 07D

TYPICAL CHARACTERISTICS

Test	Method	Unit	Average results
Density at 15°C	ASTM D4052	g/ml	0.856
Kinematic viscosity at 40°C	ASTM D445	mm²/s	74.0
Kinematic viscosity at 100°C	ASTM D445	mm²/s	11.9
Viscosity index	ASTM D2270		157
B.N. [HClO4 method]	ASTM D2896	mg KOH/g	10
Pour point	ASTM D6892	°C	-39
Flash Point COC	ASTM D92	°C	222

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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