

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, wet brakes, 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. Wet brakes.

FEATURES

Anti-wear and oxidation stability: proven protection of critical parts
Cold start: excellent fluidity at low temperature

SPECIFICATIONS

ACEA	A3/B4	CUMMINS	CES 20086/81/78/77/76
ACEA	E11	DAF	PSQL 2.1 E
ACEA	E9-16/E7/E5	DANA	GEARBOXES
API	CJ-4/CI-4 Plus/CI-4/CH-4	DETROIT DIESEL	DFS 93K215
API	CK-4	DETROIT DIESEL	DFS 93K218
API	GL-4/SAE30	DETROIT DIESEL	DFS 93K222
API	SN	DEUTZ	approval DQC-III-18 LA
ISO	VG 46[After 100h]/HV	DEUTZ	DQC-III-10/10LA
JASO	DH-1/DH-2	DTFR	15B110
JCMA	HK 46W[extend.drain]	DTFR	approval 15C100
ALLISON	C4	EATON	GEARBOXES
ALLISON	TES 439	FORD	WSS-M2C171-F1
CASE	MAT 3509	GLOBAL	DHD-1
CASE	MAT 3571	HITACHI	Tier 4F engines
CASE	MAT 3572	JCB	Standard 4000/2500
CASE	MAT 3622	JCMA	HK VG46L (Japan.OEM's)
CASE	MS1230	JD	JDQ-78X
CASE	Tier 4F engines	KOMATSU	CLUTCH: TO-10,30
CATERPILLAR	ECF-3/ECF-2/ECF-1a	KOMATSU	GEARBOXES
CATERPILLAR	HYDO ADVANCED 10/30	KOMATSU	HO-46 [HV]
CATERPILLAR	HYDO ADVANCED 10W, 20-30	KOMATSU	HO56-HE
CATERPILLAR	MTO	KOMATSU	HO-MVK
CATERPILLAR	SATO	KOMATSU	KES 07.851.2
CATERPILLAR	TO-2	KOMATSU	KES 07.868.1
CATERPILLAR	TO-4 [SAE10W,30]	KOMATSU	Tier 4F engines
CATERPILLAR	TO-4M [SAE 10W30]	LIEBHERR	Hydraulic Systems

CHAMPION CHEMICALS NV

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CHAMPION
LUBRICANTS

LIEBHERR	Tier 4F engines	RENAULT	approval RLD-3
MACK	approval EO-S 4.5	RENAULT	RGD
MACK	EO-M PLUS	RENAULT	RLD
MACK	EO-N	RENAULT	RLD-2
MACK	EO-N Premium Plus	RENAULT	RLD-4
MACK	EO-O Premium Plus	RENAULT	RXD
MAN	M3275-1/M3575	VOLVO	approval VDS-4.5
MAN	M3775	VOLVO	VDS-3/VDS-4
MTU	Oil Category 2 / 2.1	ZF	TE-ML 07D
PERKINS	Tier 4F engines		

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. [HCL04 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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