

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

SPECIFICATIONS

ACEA	A3/B4	DAIMLER TRUCK	approval DTFR 15C100
ACEA	E11	DAIMLER TRUCK	DTFR 15B110
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	EATON	GEARBOXES
JCMA	HK 46W[extend.drain]	FORD	WSS-M2C171-F1
ALLISON	TES 439	GLOBAL	DHD-1
CASE	MAT 3509	HITACHI	Tier 4F engines
CASE	MAT 3571	JCB	Standard 4000/2500
CASE	MAT 3572	JCMA	HK VG46L (Japan.OEM's)
CASE	MAT 3622	JD	JDQ-78X
CASE	MS1230	KOMATSU	CLUTCH: TO-10,30
CASE	Tier 4F engines	KOMATSU	GEARBOXES
CATERPILLAR	ECF-3/ECF-2/ECF-1a	KOMATSU	HO-46 (HV)
CATERPILLAR	HYDO ADVANCED 10/30	KOMATSU	H056-HE
CATERPILLAR	HYDO ADVANCED 10W, 20-30	KOMATSU	HO-MVK
CATERPILLAR	MTO	KOMATSU	KES 07.851.2
CATERPILLAR	SATO	KOMATSU	KES 07.868.1
CATERPILLAR	TO-2	KOMATSU	Tier 4F engines
CATERPILLAR	TO-4 (SAE10W,30)	KOMATSU	Hydraulic Systems
CATERPILLAR	TO-4M (SAE 10W30)	LIEBHERR	Tier 4F engines
CUMMINS	CES 20086/81/78/77/76	MACK	approval EO-S 4.5
DAF	PSQL 2.1 E	MACK	EO-M PLUS

CHAMPION CHEMICALS NV

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MACK	EO-N	RENAULT	approval RLD-3
MACK	EO-N Premium Plus	RENAULT	RGD
MACK	EO-0 Premium Plus	RENAULT	RLD
MAN	M3275-1/M3575	RENAULT	RLD-2
MAN	M3775	RENAULT	RLD-4
MB	228.3	RENAULT	RXD
MB	228.31	VOLVO	approval VDS-4.5
MTU	Oil Category 2 / 2.1	VOLVO	VDS-3/VDS-4
PERKINS	Tier 4F engines	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	mm ² /s	74.0
Kinematic viscosity at 100°C	ASTM D445	mm ² /s	11.9
Viscosity index	ASTM D2270		157
B.N. (HClO ₄ 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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