

CHAMPION XRS 10W-40

High performance ACEA E11 / API CK-4 formulation specifically developed for the lubrication of equipment used in construction, agriculture and public works machines. It 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: reliable protection of critical parts

Cold start: high level of fluidity at low temperature

SPECIFICATIONS

ACEA	A3/B4	CASE	MS1230
ACEA	E11	CASE	Tier 4F engines
ACEA	E3	CATERPILLAR	ECF-3/ECF-2/ECF-1a
ACEA	E9-16/E7/E5	CATERPILLAR	T0-2
AFNOR	NF E 68-603 E	CATERPILLAR	T0-4
API	CG-4	CATERPILLAR	T0-4M
API	CJ-4/CI-4 Plus/CI-4/CH-4	CUMMINS	CES 20086/81/78/77/76
API	CK-4	DANA	GEARBOXES
API	GL-4	DETROIT DIESEL	DFS 93K222
API	GL-4/SAE40	DEUTZ	DQC I-02
API	GL-5 [Low speed/high torque]	DEUTZ	DQC-III-10/10LA
API	SF/CE	DEUTZ	DQC-III-18 LA
API	SL	DTFR	15B110
DIN	51524 T3 HVLPD	DTFR	15C100
ISO	VG 68 [After 100h]/HV	EATON VICKERS	I-280-S
JASO	DH-1/DH-2	EATON VICKERS	M-2950-S
JCMA	HK 68W	EATON	GEARBOXES
ALLISON	C4	FENDT	KDM 17/2012
ALLISON	C4 [Agriculture applic.]	FORD	ESN-M2C-134 C/D
ALLISON	TES 439	FORD	ESN-M2C159 B/C
CASE	MAT 3509	FORD	FNH 82009203
CASE	MAT 3525	FORD	WSS-M2C171-F1
CASE	MAT 3526	GLOBAL	DHD-1
CASE	MAT 3571	HITACHI	Tier 4F engines
CASE	MAT 3572	JCB	Standard 4004/6300
CASE	MAT 3622	JD	J20C
CASE	MS1207	JD	J27

CHAMPION CHEMICALS NV

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JD	JDQ-78X	MF	M 1144
KOBELCO	Tier 4F engines	MF	M 1145
KOMATSU	CLUTCH: T0-40	MTU	Oil Category 2 / 2.1
KOMATSU	H056-HE	NH	NH 024C
KOMATSU	H0-68	NH	NH 410B
KOMATSU	Tier 4F engines	NH	NH 420A
LIEBHERR	Hydraulic Systems	PERKINS	Tier 4F engines
LIEBHERR	Tier 4F engines	RENAULT	RLD-2/RLD-3
MACK	EO-Q Premium Plus	RENAULT	RLD-4
MACK	EO-S 4.5	Sauer Sunstrand/Danfoss	Hydro Static Trans Fluid
MAN	271	VOLVO	VDS-3/VDS-4
MAN	M3275-1/M3575	VOLVO	VDS-4.5
MAN	M3775	ZF	TE-ML 03A
MB	227.1	ZF	TE-ML 05K
MB	228.3	ZF	TE-ML 06A
MB	228.31	ZF	TE-ML 06B
MF	M 1135	ZF	TE-ML 06C
MF	M 1139	ZF	TE-ML 07B
MF	M 1143	ZF	TE-ML 07D

TYPICAL CHARACTERISTICS

Test	Method	Unit	Average results
Density at 15°C	ASTM D4052	g/ml	0.858
Kinematic viscosity at 40°C	ASTM D445	mm²/s	88.5
Kinematic viscosity at 100°C	ASTM D445	mm²/s	13.9
Viscosity index	ASTM D2270		161
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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