

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: proven protection of critical parts.

Cold start: excellent fluidity at low temperature.

SPECIFICATIONS

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	JCMA	HK 68W
API	SL	JD	JDQ-78X
ISO	VG 68 [After 100h]/HV	KOBELCO	Tier 4F engines
JASO	DH-1/DH-2	KOMATSU	CLUTCH: TO-40
ALLISON	C4	KOMATSU	H056-HE
ALLISON	TES 439	KOMATSU	H0-68
API	GL-4/SAE40	KOMATSU	Tier 4F engines
CASE	MAT 3509	LIEBHERR	Hydraulic Systems
CASE	MAT 3571	LIEBHERR	Tier 4F engines
CASE	MAT 3572	MACK	EO-0 Premium Plus
CASE	MAT 3622	MACK	EO-S 4.5
CASE	MS1230	MAN	M3275-1/M3575
CASE	Tier 4F engines	MAN	M3775
CATERPILLAR	ECF-3/ECF-2/ECF-1a	MTU	Oil Category 2 / 2.1
CATERPILLAR	TO-4	PERKINS	Tier 4F engines
CATERPILLAR	TO-4M	RENAULT	RLD-2/RLD-3
CUMMINS	CES 20086/81/78/77/76	RENAULT	RLD-4
DANA	GEARBOXES	VOLVO	VDS-3/VDS-4
DETROIT DIESEL	DFS 93K222	VOLVO	VDS-4.5
DEUTZ	DQC-III-10/10LA	ZF	TE-ML 07D
DEUTZ	DQC-III-18 LA		
DTFR	15B110		
DTFR	15C100		

CHAMPION CHEMICALS NV

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TYPICAL CHARACTERISTICS

Test	Method	Unit	Average results
Density at 15°C	ASTM D4052	g/ml	0.858
Kinematic viscosity at 40°C	ASTM D445	mm ² /s	88.5
Kinematic viscosity at 100°C	ASTM D445	mm ² /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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