



KROSS 10W30 FULL SYNTHETIC CK-4

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 offhighway equipment.

FEATURES

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

MEETS OR EXCEEDS

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

The product has been blended to meet the above performance levels.

SIZES & PACKAGING



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.

SIZES & PACKAGING

