



## Baro CK-4 SAE 10W30

Semi-Synthetic Heavy Duty Engine Oil

This is a semi-synthetic heavy duty engine oil of the latest generation. This product meets a variety of specifications and is specifically developed in order to have total engine protection at extreme long interval ranges. This product has a high shear resistance and operates very well in a very broad operating temperature range. This product can be used in off-road and on-road heavy duty applications. It can be used in vehicles with and without turbochargers or after treatment devices. Very high levels of fuel economy are met with this product. This product is compatible with emission control technology EURO IV, EURO V, and VI.



BASE OIL:  
SEMI-SYNTHETIC

### SPECIFICATIONS

ACEA E11	DEUTZ DQC-III-18 LA
ACEA E9-16	FORD WSS-M2C171-F1
ALLISON C4	JASO DH-1
API CI-4	JASO DH-2
API CI-4 PLUS	JD JDQ-78X
API CJ-4	MACK EO-M PLUS
API CK-4	MACK EO-N
API SN	MACK EO-N PREMIUM PLUS
CATERPILLAR ECF-1A	MACK EO-O PREMIUM PLUS
CATERPILLAR ECF-2	MACK EO-S 4.5
CATERPILLAR ECF-3	MAN M3575
CATERPILLAR TO-2	MAN M3775
CUMMINS CES 20076	MB 228.31
CUMMINS CES 20077	MTU OIL CATEGORY 2.1
CUMMINS CES 20078	RENAULT RGD
CUMMINS CES 20081	RENAULT RLD
CUMMINS CES 20086	RENAULT RLD-2
DAF PSQL 2.1 E	RENAULT RLD-3
DAIMLER TRUCK DTFR 15C100	RENAULT RLD-4
DETROIT DIESEL DFS 93K215	RENAULT RXD
DETROIT DIESEL DFS 93K218	VOLVO VDS-3
DETROIT DIESEL DFS 93K222	VOLVO VDS-4
DEUTZ DQC-III-10 LA	VOLVO VDS-4.5

GRADE	METHOD	UNIT	VALUE
Density	ASTM D4052	kg/l	0,858
Kinematic viscosity @ 40 °C	ASTM D445	mm <sup>2</sup> /s	74,1
Kinematic viscosity @ 100 °C	ASTM D445	mm <sup>2</sup> /s	11,6
Viscosity Index	ASTM D2270		151
B.N. (HCL04 method)	ASTM D2896	mg KOH/g	9,5
Pour point	ASTM D6892	°C	-45
Flash point	ASTM D92	°C	232
Sulphated ash content	ASTM D874	%	1,00