

PETRONAS URANIA CF

High-Performance Single Grade Diesel Engine Oils exceeding API Service CF Performance Levels

PETRONAS Urania CF series are high performance mono-grade diesel engine oils specially designed for use in heavy duty, high-revolution turbocharged diesel engines for on-highway and off-highway applications.

Their advanced additive systems ensure excellent control against wear, high temperature piston deposits, corrosion, foaming and oxidation stability. It also provides excellent resistance to bore polishing, a high level of wear protection and ensures superior engine cleanliness.

Applications

Recommended for use in severe duty four stroke turbo-charged and naturally aspirated diesel engines both on-highway and off-highway, running high or low sulphur diesel where API CF, CD or CC of the recommended viscosity grade is required. The SAE 10W and 30 are also suitable for used in transmission, differentials or final drives in equipment where CD/TO-2 fluid are required.

Specifications

- API CF/SF
- MB 228.0
- MIL-L-46152C / MIL-L-2104D
- Allison C-3
- Cat TO-2

Customer Benefits

- Excellent high temperature piston cleanliness and deposit-free turbocharger deposits.
- Excellent dispersancy, minimize soot induced oil thickening and associated engine wear.
- Outstanding thermal stability and oxidation resistance to maintain excellent engine cleanliness.
- Prevention of low temperature sludge formation
- Excellent TBN retention effectively neutralising the acidic by-products of combustion.

Product Typicals

Characteristics	10W	30	40	50
Density @ 15 °C, kg/l	0.856	0.881	0.883	0.891
ASTM Colour	2.0	3.0	3.0	3.0
Pour Point, °C	-36	-9	-9	-9
Flash Point, °C	220	240	242	246
Kinematic Viscosity, cSt				
@ 40 °C	43	92	140	202
@ 100 °C	6.9	11.0	14.7	18.6
Viscosity Index	117	104	105	102
Cold Cranking Simulator @ - 25 °C, cP	3,120	-	-	-
TBN, mg KOH/g	11	11	11	11

Customer Advice

For further assistance on product MSDS, recommendation or technical queries, please liaise with the regional technical services engineer or contact HQ technical engineers.