

# PETRONAS URANIA SUPREMO CI-4

## Ultimate-Performance with Outstanding Soot Control, Multigrade Diesel Engine Oil exceeding API Service CI-4 and ACEA E7 Performance Levels

PETRONAS Urania Supremo CI-4 is an advanced ultimate-performance multigrade diesel engine oil for used in the most severe on-highway and off-highway applications. It is specially engineered for modern, high-output, low-emission engines including those fitted with Exhaust Gas Recirculation (EGR) as well as older high speed turbocharged engines running on low sulphur diesel or conventional high sulphur diesel fuel.

Its advanced additive system ensure excellent control over soot induced wear, high temperature piston deposits, corrosion, foaming and oxidation stability. It also provide excellent resistance to bore polishing, a high level of wear protection and ensure superior engine cleanliness at extended drain intervals.

### Applications

Recommended for use in high performance diesel applications including the latest low emission engines fitted with EGR technology as well as naturally aspirated diesel engines, both on-highway and off-highway, running on high or low sulphur diesel. It is also recommended for gasoline engine such as pick-up trucks, four wheel drive (4WD) and sport utility vehicles (SUVs).

### Customer Benefits

- Exceeds all major American, European and Japanese OEM and Industry specifications.
- Excellent performance with extended oil drain intervals on low emission engines .
- Exceptional soot dispersancy, preventing deposits on critical engine components and provide excellent protection from soot induced wear.
- Excellent TBN retention effectively extend drain interval capability.
- Excellent thermal and oxidation stability that minimized low temperature sludge build-up and high temperature deposits.

### Product Typicals

Characteristics	15W-40	20W-50
Density @ 15 °C, kg/l	0.869	0.879
Pour Point, °C	-36	-24
Flash Point, °C	228	236
Kinematic Viscosity, cSt		
@ 40 °C	102	160
@ 100 °C	14.2	18.8
Viscosity Index	142	133
Cold Cranking Viscosity, cP		
@ -15 °C	-	6,320
@ -20 °C	5,230	-
Sulphated Ash, %wt	1.2	1.2
TBN, mg KOH/g	10	10
ASTM Colour	2.5	3.0

### Specifications\*

API CI-4/CH-4/CG-4/SL  
 ACEA E7/E5/E3/A3/B3/B4  
 Global DHD-1  
 MB 228.3  
 Volvo VDS-3/VDS-2  
 Cummins CES 20077/20078  
 MAN 3275  
 MTU Type 2  
 MACK EO-M Plus  
 Renault RLD-2 / RLD  
 Cat ECF-2/ECF-1a  
 ZF TE-ML 07C

\* OEM performance depends on SAE grade

### 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.