

FULL SYNTHETIC DIESEL ENGINE OIL



A full synthetic oil utilizing Group III base stock oils and an advanced additive system to minimize combustion chamber ash deposits while allowing high alkaline reserves to protect engine components. The wide viscosity range allows superior low temperature fluidity, high oxidation and thermal stability to protect the engine against sludge and varnish deposits.

SAE GRADE	0W30	0W40	5W40	15W40
Density @ 15.5°C, KG/L	0.846	0.866	0.877	0.881
Kinematic Viscosity (D445) CST @ 40°C	56.98	87.27	87.75	115
Kinematic Viscosity (D445) CST @ 100°C	10.26	15.14	14.76	15.50
Viscosity Index (D2270)	173	180	177	146
Viscosity CCS CP @ -25°C	N/A	N/A	N/A	5800
Viscosity CCS CP @ -35°C	5560	5360	5600	N/A
Flash Point (D92), °C	238	188	225	232
Pour Point (D97), °C	-51	-54	-45	-43
TBN	10	10	10	10
Ash Sulphate, Mass%	0.99	0.99	0.99	0.99
Colour	4.5	4.7	4.8	5
*NOTE: VALUES SHOWN ABOVE ARE REPRESENTATIVE OF CURRENT PRODUCTION AND MAY VARY WITHIN MODEST RANGES				

Applications: Meets or exceeds the following service requirements:

- API: CK-4: 5W40 & 15W40, CJ-4, CI-4, CH-4
- API: SN: 5W40 & 15W40, SM, SL, SJ
- MACK: ESO-4.5, E0-K/2, EO-L, EO-O PP 07', EO-N PP 03', EO-N PLUS, EO-M
- DETROIT DIESEL: 75E 270, 93K222/18/15/14
- CATERPILLAR: IN/1K, ECF-3/1
- EXTENTION SEQUENCES IN IIIIE, VE AND L-38 BENCH TEST
- VOLVO: VDS-4.5/4/3/2
- CUMMINS: 20086, 20081, 20071, 20072, 20076, 20077, 20078
- MERCEDES BENZ: 228.31, 228.3
- RENAULT: RLD-4, 3
- MAN: M-3575, 3275
- GLOBAL DHD-1
- ACE E7-04
- JASO DH-2
- MIL-L-2104 E/F
- ALLISON C-4/3
- FORD: WSS-M2C171-F1