

DIESEL SYNTHETIC ENGINE OIL

Diesel Synthetic 5W-30 & 5W-40 is a premium ultra, fully synthetic motor oil with Poly Alpha Olefin (PAO) that is field proven and delivers exceptional TBN retention, extended drain approved, enhanced fuel economy potential over conventional oils, advanced soot control, outstanding viscosity retention and excellent all-weather performance. The hi-performance synthetic technology meets the stringent demands of modern diesel engines, including EGR (Exhaust Gas Recirculation), DPF (Diesel Particulate Filter) and SCR (Selective Catalytic Reduction), operating under standard and extended service interval, running both ultra-low sulfur diesel fuel and low sulfur diesel fuel. Capable for use in Biodiesel fuel up to B20.

DIESEL SYNTHETIC ADVANTAGES

- Hi-Performance Synthetic Technology meets the most demanding requirements of modern EGR engines operating at elevated temperatures, higher soot, and higher acid levels in the engine oil.
- Superior synthetic base stocks provide faster, safe starts during freezing weather and enhanced thermal properties for hot weather operations.
- Unique formulation has enhanced fuel economy potential over conventional oils.
- Enhanced protection against oil oxidation
- Reduced high temperature carbon buildup - both single and two-piece pistons - and ring/liner wear protection leads to improved oil consumption control.
- Unique Special Dispersant Technology (SDT) provides advanced soot control and outstanding engine cleanliness.
- Premium lubricant designed to protect heavy duty and pickup diesel engines under severe service in both on and off highway applications

PERFORMANCE LEVEL
API CK-4
ACEA E9-16, CUMMINS CES 20086
MB 228.31, VOLVO VDS-4.5, MAN M3575, DFS 93K222

Typical properties:

Typical Properties characteristics are based on current production. Whilst future will confirm to Valvoline specification, variations in these characteristics may occur.

Typical Characteristics		
SAE Viscosity Grade	5W-30	5W-40
Kinematic Viscosity, cSt @ 40ºC	67.79	94.82
Kinematic Viscosity, cSt @ 100ºC	11.40	15.16
Viscosity Index	163	169
TBN, mg KOH/g	11.00	11.00
Density, g/cm^3 @ 30 ºC	0.8454	0.8461
CCS, cP @ -30 ºC	5643	6479

This product is not likely to present any significant health or safety hazards when properly used in recommended application and good standards of personal hygiene are maintained. Reference is made to Safety Data Sheet (SDS) which is available on request via your local technical or sales representative.

This information only applies to products manufactured in the following location(s): Thailand

Effective Date
Sep 2022

Author
NW

Product Code:
5W-30: 150003
5W-40: 150007

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