



Heavy Duty Diesel Engine Oil

Product Description

Advanta Heavy Duty Diesel Engine Oils are formulated with 100% high VI refined Group II base oil and industry leading additive technology. Developed to meet or exceed original equipment manufacturer (OEM) requirements, these oils provide outstanding performance and engine protection for long engine life over a wide range of operating temperatures.

Advanta 15W-40 and 10W-30 are formulated to exceed the performance requirements for the API CK-4 specification in the following areas:

- Wear protection and oxidation resistance
- High temperature piston deposit protection
- Sludge and soot handling protection

Features

- Exceptional oxidation resistance allowing for extended oil drain intervals
- Increased resistance to abrasive wear, oxidative thickening and filter plugging
- Excellent protection against valve train, ring and liner wear
- Superior resistance to soot-related viscosity increase
- Excellent TBN retention/alkaline reserve
- Outstanding low temperature performance for superior deposit control and wear protection
- Superior high temperature thermal stability

Application

- Mixed fleets with on-highway heavy-duty diesel trucks and buses. Compatible with engines containing Diesel Particulate Filters (DPF), Diesel Oxidation Catalysts (DOC), Exhaust Gas Recirculation (EGR) and/or Selective Catalytic Reduction (SCR) systems.
- On-highway applications operating at both high and low speed in short haul and in-town delivery service.
- Off-highway applications including trucking, construction, mining and agriculture.

Performance Credentials

- Recommended for applications requiring API service category CK-4 and previous categories CJ-4, CI-4 Plus, CI-4, CH-4.
- Heavy Duty Diesel Engine Oil also meets the performance requirements for:
 - o Cummins CES 20081, 20086
 - o Detroit Diesel DDC 93K218, DDC 93K222
 - o Mack EO-O Premium Plus, EOS-4.5
 - o Renault VI RLD-3, RLD-4
 - o Volvo VDS-4, VDS-4.5
- Additionally, Advanta **15W-40 is API 'SN'** approved for universal service in gasoline and diesel engines.

Typical Properties of ADVANTA Heavy Duty Diesel Engine Oils

SAE Viscosity Grade	10W-30 CK-4	15W-40 CK-4 / SN
Density (kg/L)	0.868	0.870
Kinematic Viscosity, cSt @ 40°C	79	110
@ 100°C	11.6	15.1
Viscosity Index	139	142
HTHS Viscosity (cP)	-	4.3
Flash Point (°C)	220	220
Pour Point (°C)	-39	-36
Cold Crank Viscosity, cP @ -20°C	—	4,600
Cold Crank Viscosity, cP @ -25°C	6,000	—
Sulphated Ash (% mass)	0.9	1.0
TBN	10	10

Values shown here are typical and may vary.
Always check manufacturers' recommendations when choosing lubricants