



ATLANTIC SUPER TOP FLEET HD-V DIESEL ENGINE OIL SAE 10W-30 API CK-4

(High-Performance Heavy-Duty Diesel Engine Oil)

DESCRIPTION

ATLANTIC SUPER TOP FLEET HD-V DIESEL ENGINE OIL SAE 10W-30 API CK-4 is advanced diesel engine oils that help extend engine life, allowing you to run your business with confidence. These products meet or exceed original equipment manufacturer (OEM) requirements and deliver high performance in both on and off-highway applications.

Fully backward compatible, ATLANTIC SUPER TOP FLEET HD-V DIESEL ENGINE OIL SAE 10W-30 API CK-4 delivers exceptional performance in both newer and older heavy-duty engine designs. Accordingly, these oils meet or exceed the requirements of API CK-4, CJ-4, CI-4 PLUS, CI-4 and CH-4 service categories, as well as key OEM requirements. ATLANTIC SUPER TOP FLEET HD-V DIESEL ENGINE OIL SAE 10W-30 API CK-4 is universal, meaning they may also be used in gasoline engines requiring the API SN specification.

ATLANTIC SUPER TOP FLEET HD-V DIESEL ENGINE OIL SAE 10W-30 API CK-4 is a tailored formulation that delivers excellent wear and engine protection, extended drain capability, outstanding high temperature performance and engine cleanliness. Developed in close collaboration with major OEMs, they are recommended for use in a wide range of heavy-duty applications and operating environments in the trucking, mining, construction, agricultural and marine industries..

APPLICATIONS

- Recommended for the latest heavy-duty diesel engines, including those equipped with after treatment systems and EGR.
- Recommended for diesel applications using older and naturally aspirated conventional designs.
- On-highway heavy-duty trucking and off-highway applications including trucking, mining, construction, agriculture and marine.
- On-highway applications operating in both high speed/high load and short haul pick-up/delivery service.
- Off-highway applications operating in severe low speed/heavy load conditions using up to 500 ppm sulfur fuels.
- High performance gasoline engines requiring API SN and mixed fleet operations.
- Diesel-powered equipment from American, European and Japanese OEMs.

PROPERTIES

ATLANTIC SUPER TOP FLEET HD-V DIESEL ENGINE OIL SAE 10W-30 API CK-4 are formulated with optimized base oil technology, containing severely hydro-processed base stocks and a tailored additive system to deliver extended performance for up to 50% beyond OEM-recommended oil drain intervals. This proprietary formulation delivers excellent wear protection, outstanding oxidation stability, and outstanding TBN retention. They also provide outstanding resistance to oil consumption, oxidation, corrosive and abrasive wear, and high temperature deposits.

ATLANTIC SUPER TOP FLEET HD-V DIESEL ENGINE OIL SAE 10W-30 API CK-4 has the potential to improve fuel economy.

PERFORMANCE FEATURES AND BENEFITS

- Meets demanding specifications of key OEMs and latest API gasoline service category - One engine oil for mixed fleet operations
- Outstanding oxidation stability - Extended ODI capability. Reduced low temperature sludge build-up and high temperature deposits
- Excellent soot and viscosity control - Greater engine efficiency, long engine life and long oil life Excellent oil consumption control - Lower oil costs due to less make-up oil during operation
- Outstanding TBN reserves - Corrosion protection and extended drain intervals for both new and old engines using up to 500 ppm sulfur diesel fuel
- Low temperature fluidity and pumpability - Formulated for smooth starting in cold weather Resistance to corrosive and abrasive wear - Long life of critical wear surfaces
- Component compatibility - Long gasket and seal life
- Low ash formulation meeting API CK-4 and CJ-4 requirements - Long emissions aftertreatment life (DPF, DOC and SCR)

RECOMMENDATIONS / SPECIFICATIONS

International Standards: API CK-4, CJ-4, CI-4 PLUS, CI-4, CH-4 / SN, ACEA E11, E9, E7, JASO DH-2

Meets or exceeds: MB Approval 228.31, Allison TES 439, Isuzu DEO (w/DPD Equipped Vehicles), MTU Type 2.1, Liebherr: LH—00-ENG3A LA, Detroit Diesel DFS 93K222, 93K218, Caterpillar ECF-3, Cummins CES 20086,20081, RVI RLD-4, MAN M 3775, Volvo VDS-4.5, VDS-4, Mack EOS-4.5, EO-O Premium Plus, Deutz DQC III-18 LA, Ford: M2C171-F1, Case New Holland: MAT 3571



TYPICAL TECHNICAL PROPERTIES

Viscosity Grade, SAE J300	10W-30
PRODUCTS CODE:	DEO-24084
Density at 15°C, g/ml, ASTM D4052	0.871
Cold Cranking Viscosity(CCS), mPa s, ASTM D5293	5900 @-25°C
Kinematic Viscosity at 40°C, mm²/s, ASTM D445	80.2
Kinematic Viscosity at 100°C, mm²/s, ASTM D445	12
Viscosity Index, ASTM D2270	145
Flash Point(COC), °C, ASTM D92	230
Pour Point, °C, ASTM D97	-39
Total Base Number (TBN), mg KOH/g, ASTM D2896	10
Sulfated Ash, wt%, ASTM D 874	1.0
MRV, cP, ASTM D 4684	21000 @-30°C
High-Temperature/High-Shear Viscosity @ 150°C, cP, ASTM D4683	3.5

Note: These characteristics are typical of current production. While future production will conform to Atlantic's specification, variations in these characteristics may occur.
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 * supersedes all previous versions

Packing : 700 ml ,800 ml , 1L , 2L, 3L, 4L, 5L, 6.5L, 7L, 8L,16L,18L, 20L, 25L, 200L, 205L, 208L, 210L