

SPX HD FULL SYN CK-4

FULL SYNTHETIC DIESEL ENGINE OIL FOR INDUSTRIAL AND MOBILE EQUIPMENT

SPX HD Full Syn CK-4 is a premium product that provides excellent protection for engines operating under varying loads and service conditions. It is designed for use in 2007 and newer engines requiring a diesel engine oil that meets EPA regulations and is compatible with exhaust after treatment systems. The premium formulation is backwards serviceable for use in pre-2007 diesel engines as well. In addition, SPX HD Full Syn CK-4 allows users to maximize drain intervals, which reduces maintenance expenses and waste oil. SPX HD Full Syn CK-4 has good soot dispersancy, wear protection, and an excellent oxidation life to minimize deposit formation.

Advantages

- Good soot control for protection against abrasive wear and soot-induced oil thickening
- Good resistance to viscosity and thermal breakdown at high temperatures
- Protects against sludge and varnish formation
- Protects against rust, bearing corrosion, and wear
- Excellent performance at colder operating temperatures

Applications

- Naturally aspirated and turbocharged four-stroke diesel engines in which the API CK-4 service category is recommended
- Older diesel equipment with conventional, non-EGR or ACERT engines
- Off-highway construction, earth moving, and mining equipment

Specifications

SPX HD Full Syn CK-4 is licensed and certified for:

- API CK-4, CJ-4, CI-4 Plus

SPX HD Full Syn CK-4 is suitable for use with the following OEMs and specifications:

- Caterpillar ECF-3, ECF-2, ECF-1-a
- Cummins CES 20086
- Detroit Diesel DFS 93K222
- Ford WSS-M2C171-F1
- Mack EOS 4.5
- MTU Type 2.1
- Renault
- Volvo VDS 4.5



Heavy Duty



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TYPICAL PROPERTIES

SAE Grade	15W-40	5W-40
Specific Gravity @ 60°F	-	0.855
Density, lbs/gal @ 60°F	-	7.11
Flash Point (COC), °C (°F)	229(444)	250(482)
Pour Point, °C (°F)	-36(-33)	-42(-44)
Viscosity		
cSt @ 40°C	112	80
cSt @ 100°C	15.5	13.7
Viscosity Index	146	150
Cold Cranking Viscosity, cP @ (°C)	<7000(-20)	<6600(-20)
Sulfated Ash, ASTM D874, wt%	1.00	1.00
Total Base Number (TBN), ASTM D2896	10.0	11.8
Phosphorus, wt%	0.110	0.063
Zinc, wt%	0.109	0.135

Minor variations in typical properties data are to be expected in normal manufacturing.

Health & Safety Information

For recommendations on safe handling and use of this product, please refer to the Safety Data Sheet (SDS).



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