



beacon
lubricants INC

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technical data sheet

Signal Tech All Fleet 5w40 CK4 Engine Oil

Product Application:

Signal Tech All Fleet 5w40 CK4 Engine Oil is a high performance technologically advanced, full synthetic, heavy-duty diesel engine oil. It is specially designed to provide protection against wear, oxidation, deposit formation, soot contamination and aeration. Signal Tech All Fleet 5w40 CK4 Engine Oil provides excellent fuel efficiency, outstanding equipment durability and longevity.

Signal Tech All Fleet 5w40 CK4 Engine Oil is a premium performance multigrade diesel engine oil that delivers an industry leading protection against increased wear which can lead to lower productivity and impaired fuel economy. It is formulated to exceed API CK-4, CJ-4, CI-4, CI-4 Plus. Signal Tech All Fleet 5w40 CK4 is particularly suitable for use in emission compliant engines that utilize heavy EGR and exhaust after-treatment devices such as Diesel Particulate Filters (DPFs_ with or without Diesel Oxidation Catalysts (DOCs) and Selective Catalytic Reduction (SCR). It also has an advanced performance in low-emission certified diesel engines that are equipped with EGR, older non-EGR containing diesel engines, and off-highway diesel engines.

Features and Advantages:

- Superior thermal and oxidative stability resulting in a greater resistant to viscosity thickening and the formation of deposits, sludge, and varnish on critical engine parts.
- Enhanced detergency and dispersion to provide high temperature piston cleanliness
- Longer drain intervals for lower overall maintenance costs
- Increased engine life and durability especially for older model engines
- Fuel economy improvement
- Promotes consistent cold engine starting – low viscosity synthetic base stocks promote consistent cold engine starting for diesel engines operating in sub-zero temperatures

Package Size:

Bulk, Drums, Pails

Meets or Exceeds the following Specifications:

Military Specification MIL-PRF-2104K; ACEA E7-16; ACEA E9-16; Global Specification DHD-1; Caterpillar ECF-3; Cummins CES 20081, CS 20086; Detroit Diesel Power Guard Oil Specifications: DDC93K218 and DDC93K222; Deutz DQC III-10 LA; Ford WSS-M2C171-E, WSS-M2C171-F1; JASO DH-2; Mack EO-O Premium Plus, Mack EOS-4.5; MAN 3275, MAN 3575; MB 228.31; MTU Category Type 2 and 2.1; Renault VI RLD-3, RLD-4, Scania LDF-2; Volvo VDS 4, VDS 4.5; Navistar; John Deere; CHN (Case-New Holland)



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Typical Characteristics:

SAE Grade	<u>5w-40</u>
Viscosity, ASTM D 445	
cSt @ 40°C	102
cSt @ 100°C	14.8
Flash Point °C ASTM D 92	226
Viscosity Index, ASTM D 2270	168
Sulfated Ash, wt%, ASTM D 874	1.35
Total Base #, mg KOH/g, ASTM D 2896	12
Pour Point, °C, ASTM D97	-45