



Prime 1 HD Synthetic Blend CK-4

TECHNICAL PRODUCT INFORMATION

Prime 1 HD Synthetic Blend CK-4

Prime 1 HD Synthetic Blend CK-4 is formulated with the use of next-generation, fuel efficient additive technology. It meets or exceeds nearly all the next generation OEM specifications including those from Ford, Cummins, Detroit Diesel, Mack, Volvo, Renault, Mercedes, MAN and Deutz. It can be recommended for new engines requiring CK-4 fluid and is backward compatible with API CK-4, CJ-4, CI-4 PLUS, CI-4, CH, and CG oils.

Features/ Benefits

Prime 1 HD Synthetic Blend CK-4 provides

- Increased fuel economy by using semi-synthetic base oils and advanced friction modifiers
- Excellent protection from deposits at all operating temperatures
- Excellent bearing corrosion protection
- Excellent anti-wear, anti-foam, and anti-rust properties
- Excellent soot control

Recommendations/Specifications

Prime 1 Synthetic Blend CK-4 meets or exceeds the following performance requirements or OEM specifications:

API CK-4, CJ-4, CI-4+, CI-4, CH-4
API SN (15W-40*)
FORD POWERSTROKE (WSS-W2C171-F)
CUMMINS CES20086, CES20081
DETROIT DIESEL 93K222, 93K218
MACK EOS-4.5, EO-O, EO-M
JASO DH-2

VOLVO VDS-4.5, VDS-4 RENAULT
RLD-4, RLD-3 ACEA E7/E9
MB 228.31
MAN 3575
DEUTZ DQC III-10 LA

***10W-30 Does not meet SN due to phosphorous level above 800ppm**

Special handling, Notices or Warnings

Use the same care and handling that you would use with any motor oil.

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Prime 1 HD Synthetic Blend Motor CK-4

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Typical Characteristics

SAE GRADE	10W-30	15W-40
Viscosity cSt @ 40°C	81.6	118
cSt @ 100°C	11.85	15.4
Viscosity Index	139	140
TBN	10.0	10.0
Pour Point, °C	-36	-32
HTHS @ 150 °C	3.4	4.0
Sulfated Ash wt %	1.0	1.0
Flash Point °C (COC)	241	241
Phosphorous, m%	0.113	0.113

Typical test data are average values only. Minor variations which do not affect product performance are to be expected during normal manufacturing.

Contact your Great Plains Oil representative for additional information.

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