



Hyperion Elite Synthetic CK-4/SN 5W-40

Bel-Ray® Hyperion Elite Synthetic CK-4/SN 5W-40 is formulated for use in high-speed four-stroke cycle diesel engines designed to meet 2017 model year on-highway and Tier 4 non-road exhaust emission standards as well as for previous model year diesel engines. This oil is formulated to use in all applications with diesel fuels ranging in sulfur content up to 500 ppm. Bel-Ray® Hyperion Elite Synthetic CK-4/SN 5W-40 is designed to provide enhanced protection against oil oxidation, viscosity loss due to shear, and oil aeration as well as protection against catalyst poisoning, particulate filter blocking, engine wear, piston deposits, degradation of low- and high-temperature properties, and soot-related viscosity increase.

VEHICLE BENEFITS

- Protects emission control systems
- Outstanding oxidation stability
- Full Synthetic formulation
- Universal product for mixed fleet operations
- Excellent low temperature properties helps speed cold starts

APPLICATIONS

Bel-Ray® Hyperion Elite Synthetic CK-4/SN 5W-40 meets API Service Classification CK-4, CJ-4, CI-4 PLUS, CI-4, CH-4/ SN, SM, SL, SJ. This product has OEM Approvals for Ford® Specification WSS-M2C171-F1, Detroit™ DFS 93K222, Mack® EOS-4.5, Volvo® VDS-4.5 and Renault® RLD-4 and Cummins® CES 20086. It also meets or exceeds requirements for Caterpillar ECF-3, ECF-2, Cummins® CES 20081, Daimler MB228.31, Detroit™ DFS 93K218, Mack® EO-O Premium Plus, EO-N, MAN M3575, MTU Category 2.1, Renault® RLD-3, and Volvo® VDS-4, VDS-3 and ACEA E9 and ACEA E7.

Hyperion Elite Synthetic CK-4/SN 5W-40 Typical Physical Properties		
Property	Test Method	5W-40
API Gravity @ 60°F	ASTM D4052	38.5
Density@15°C, g/cm ³	ASTM D4052	0.8494
Viscosity @ 40°C, cSt	ASTM D445	88.7
Viscosity @ 100°C, cSt	ASTM D445	14.4
Viscosity Index	ASTM D2270	169
Flash Point, °C (°F)	ASTM D92	200 (392)
Pour Point, °C (°F)	ASTM D97	-42 (-43)
CCS, cP	ASTM D5293	6260 @ -30°C
MRV, cP	ASTM D4684	31,300 @ -35°C
TBN, mg KOH/g	ASTM D2896	11
Noack Volatility, wt%	ASTM D5800	12
Zinc, wt%	ASTM D6481	0.127
Pounds per Gallon	ASTM D1250	7.141

Minor variations in typical physical properties may occur from normal manufacturing processes

DISTRIBUTED BY:

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