



Hyperion Elite Synthetic Engine Oil

Bel-Ray® Hyperion Elite Synthetic is formulated for use in high-speed four-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 for use in all applications with diesel fuels ranging in sulfur content up to 500 ppm. The full synthetic base oils used in Hyperion Elite Synthetic provide outstanding lubricity and cold-flow, and excellent resistance to high-temperature degradation. The advanced additive package in this formulation reduces viscosity loss due to shear, and oil aeration. Also, this state of the art, low-ash formulation provides protection against catalyst poisoning and particulate filter blocking, while preventing deposit formation and soot-related viscosity increase.

APPLICATIONS

- **Warranty compliant for all vehicles requiring a licensed API CK-4 diesel engine oil**
- Licensed under API CK-4/SN specification; backwards compatible with all prior API heavy-duty diesel engine oil specs
- ACEA E11-2022, E7-2022
- CAT ECF-3, ECF-2
- Cummins CES20086, CES20081
- Detroit Diesel 93K222, 93K218
- Ford WSS-M2C171
- Mack EOS-4.5, EO-O Premium Plus, EO-N
- MTU 2.1
- Renault RLD-4, RLD-3
- Volvo VDS-4.5, VDS-4, VDS-3

PRODUCT FEATURES

- Exceeds API CK-4/SN performance standards
- Formulated with synthetic base stocks for maximum resistance to thermal breakdown
- Optimum oxidation stability and volatility properties reduce oil consumption between services
- Advanced additive technology increases resistance to sludge formation and piston deposits
- Carries API license for diesel (CK-4) and gasoline (SN) engine use

BENEFITS

- Superior wear protection as established in API CK-4 specification
- Optimum fuel economy
- Excellent low-temperature performance for cold starts
- Enhanced protection for exhaust SCR catalysts and particulate filters
- Advanced shear stability and low volatility properties support extended service intervals
- Maximum overall engine protection

DISTRIBUTED BY:

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Typical Physical Properties		
Property	Test Method	5W-40
API Service		CK-4/SN
Density@15°C, g/cm3	ASTM D4052	0.853
Viscosity @ 40°C, cSt	ASTM D445	93.3
Viscosity @ 100°C, cSt	ASTM D445	15.2
Viscosity Index	ASTM D2270	172
Flash Point, °C (°F)	ASTM D92	224 (435)
Pour Point, °C (°F)	ASTM D97	-48 (-54)
Cold Crank Simulator, cP	ASTM D5293	6,370 @-30°C
TBN, mg KOH	ASTM D2896	10.1
Sulfated Ash, wt%	ASTM D874	1.0

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