

ROYAL OIL CO.

SPECIALTY LUBRICANTS

SUPREME HD

Premium Engine Oil (CI-4, CI-4 Plus)

Synthetic Blend

Superior Detergent Package

Cleans/Eliminates Deposits

Excellent TBN Retention

Superior Film Strength

Exceptional Thermal Stability

Extended Service Life

SUPREME HD may be the most powerful product in our line, when compared to competitor products on the market. SUPREME HD's primary function is to offer far superior protection to diesel engines calling for CI-4 or CI-4 Plus oils. With an industry high, 15 plus, TBN and a calcium based detergent package that far exceeds others in the industry, SUPREME HD will have engines running cleaner for longer than any other oil options available. In addition to cleanliness and TBN retention, SUPREME HD's ability to retain its viscosity through excellent thermal stability and offer exceptional wear protection through excellent film strength technology, making SUPREME HD the oil to run in engines calling for CI-4/CI-4 plus oils.

“Building a better engine oil is a choice. Quality materials, time and care make a superior product, its your equipment and bottom line that benefit.”



SUPREME HD

Product Specifications

MEETS AND/OR EXCEEDS MIL-L-2104E, MIL-L-46152E, CID-AA-52039, Caterpillar TO-2, Cummins CES 20076, Cummings CES 20078, Detroit Diesel Power Guard 93K214, Mack EO-N Premium Plus, Mack EO-N Premium Plus 03, Navistar, Allis-Chalmers, Se-ries 3, GM6094M, Ford M2C153E, Ford M2C171C, M2C171D, ACEA E5/E3/B3/A3, Mercedes Benz MB 228.3, Mercedes Benz 229.1, Volvo VDS-2, Volvo VDS- 3, Global DHD-1, A.P.I. CF-4, CG-4, CH-4, CI-4, CI-4 Plus, SH, SJ, SL. **SUPREME HD** is Alli-son C-4 Approved (C4-30483901), MAN271, MTU Type 1.

ASTM TEST METHOD TESTS	10W/30	15W/40
D287 API Gravity	27/29	27/29
D287 Specific Gravity at 600F, Typical .	87	88
D-92 Flash Point, 0F, COC, Minimum	385F. (196C.)	400F. (204C.)
D-97 Pour Point, Typical	-35F. (-37C.)	-30F. (-34C.)
D-5293 Viscosity @ -20C, Cold Cranking Simulator cP	---	5,200
D-5293 Viscosity @ -25C, Cold Cranking Simulator cP	5,200	---
D-4684 Viscosity @ -25C, Mini Rotor Viscosimeter-TP1 cP	---	14,500
D-4684 Viscosity @ -30C, Mini Rotor Viscosimeter-TP1 cP	18,500	---
D-446 Viscosity @ 100C, cSt, Typical	12.4	15.5
D-446 Viscosity @ 40C, cSt, Typical	82.0	119.0
D-446 Viscosity @ 210F, SUS, Typical	68.0	80.0
D-446 Viscosity @ 100F, SUS, Typical	380.0	550.0
D-2270 Viscosity Index	150	150
D-847 Sulfated Ash, Wt. %, Maximum	1.72%	1.72%
D-2896 Total Base Number, mg KOH/g	15 Plus	15 Plus
D-664 Total Acid Number, mg KOH/g	2.5	2.5
D-892 Foam Tendency/Stability:		
Sequence I	0/0	0/0
Sequence II	0/0	0/0
Sequence III	0/0	0/0
Calcium, Wt. %, Typical	0.45	0.45
Zinc, Wt. %, Typical	0.14	0.14
Nitrogen, Wt. %, Typical	0.10	0.10

Sharing lubricant knowledge and delivering the highest quality products, two things we promise our customers. The difference will change how you view, purchase and utilize greases and oils from here forward.

Family owned and operated since 1926.



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