

# **ROYAL OIL CO.**

SPECIALTY LUBRICANTS

## ***SUPREME MOTOR OIL***

***High Quality Single Viscosity Oil***

**Synthetic Blend**

**Superior Additive Solubility**

**Excellent Film Strength**

**Resists Thermal Breakdown**

**Clean/Keep Clean Chemistry**

**Eliminates Deposits**

**Excellent All-Weather Oil**

Building a superior quality engine oil is a choice few oil manufacturers make. Most oils, especially the single-viscosity oils that are fading in popularity, are built using inexpensive lower quality raw materials. Before all of the blame can be put on manufacturers, the consumer has pushed this trend as far too often, price is the only criteria.

At Royal Oil Co. we design, manufacture and deliver the only single viscosity oil we know how to make, SUPREME MOTOR OIL. Users of SUPREME quickly see the return on their investment.

SUPREME MOTOR OIL is designed to offer superior protection while resisting breakdown to working conditions. With excellent thermal stability, SUPREME MOTOR OIL offers an extended service life and resists breakdown, eliminating the formation of harmful deposits. This is the single viscosity oil for use for 10, 20, 30, 40 and 50 wt. applications.

*“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 MOTOR OIL***

## **Product Specifications**

Meets and/or Exceeds MIL-L-2104B, MIL-L-2104C, MIL-L-2104D, MIL-L-2104E, MIL-L-46152C, MIL-L-46152D, MIL-L-46152E (SAE 10, 30, & 40 only), CID AA 52039, Caterpillar, Caterpillar TO-2, Cummins, Detroit Diesel, Mack EO-H, Mack EO-J, Mack EO-K, Mack EO-K/2 (SAE 30 & 40 only), Navistar, Allis-Chalmers, Series 3, GM6048M, GM6085M, GM6094M, Ford M2C153E, Chrysler MS-6395-D, SAE 10 and SAE 30 meets Allison C-4, A.P.I. - CA, CB, CC, CD, CD II, CE\*, CF, SA, SB, SC, SD, SE, SF, SG, SH, SJ .

<b>ASTM METHOD/TEST</b>	<b>SAE 10</b>	<b>SAE 20</b>	<b>SAE 30</b>	<b>SAE 40</b>	<b>SAE 50</b>
D287 Gravity	27.5/29.5	27/29	26/28	25.5/27.5	25/27
D92 Flash Point, °F., COC, Min.	380	420	420	430	450
D97 Pour Point, °F., Maximum	-35	-15	0	+10	+10
D446 Viscosity, cp at 0° F., Max.	3500 at -13° F.	9600	---	---	---
D446 Viscosity, SUS at 210° F.	45/60 5	2/58	64/68	78/82	95/100
D2270 Viscosity Index	95	105	105	105	105
D874 Sulfated Ash, Wt. % Max.	2.0	2.0	2.0	2.0	2.0
D664 Total Acid No., Mg KOH/gm	2.5	2.5	2.5	2.5	2.5
D2896 Total Base No., Mg KOH/gm	15 Plus	15 Plus	15 Plus	15 Plus	15 Plus
D892 Foam Tendency/ Stability:					
Sequence I	25/0	25/0	25/0	25/0	25/0
Sequence II	25/0	25/0	25/0	25/0	25/0
Sequence III	25/0	25/0	25/0	25/0	25/0
Magnesium, Wt. %, Typical	0.05	0.05	0.05	0.05	0.05
Zinc, Wt. %, Typical	0.12	0.12	0.12	0.12	0.12
Nitrogen, Wt. %, Typical	0.11	0.11	0.11	0.11	0.11
Calcium, Wt. %, Typical	0.45	0.45	0.45	0.45	0.45

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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