



Royal Diesel Supreme Plus Multigrade Heavy Duty Diesel Engine Oil

Royal Diesel Supreme Plus oils have been reformulated to meet the stringent requirements of today's engines. These multigrade oils meet or exceed the performance requirements of API CI-4/SL, CH-4, CG-4, CF-4, CF and SJ. In addition, the oils exceed the Allison C-4, MIL-L-2104F, MIL-L-2104G as well as the older API classifications CE, CD-II, SH, MIL-L-46152E, Mack EO-K/2, EO-L and EO-L Plus.

The Same premium oil is available in a **Royal Diesel Supreme Plus 10W30** grade for better low temperature performance in colder climates, better fuel economy compared to the Royal Diesel Supreme Plus SAE 15W40 and to meet the demands of OEM's (CG-4, CF-4, CF and SJ) who recommend lower viscosity grades.

Royal Diesel Supreme Plus 20W50 contains the same high quality base stocks and performance additives found in the CH-4 approved product. It can be used for both gasoline and diesel engine service requiring a CF-4, CF, SH or SJ oil. It is also an excellent choice for high temperatures and heavy loads.

Product Features:

- Excellent cold weather properties
- Extended oil drain capability cutting down on costs
- Enhanced engine life by increasing protection

Customers Benefits:

- Meets the needs of today's high-performance, fuel efficient, low emission diesel and gasoline engines
- Better cold flow properties for easier starting in colder weather
- Minimizes valve and combustion chamber deposits
- More effectual shear stability for better viscosity control

Meets or Exceeds Specifications:

General Motors-Allison C-4
Allis Chalmers
J.I. Case
Caterpillar
Cummins 27006(10W30, 15W40)
John Deere
JCB
Deutz
Volvo VDS (15W40)

Mercedes 228.1
ACEA E2/B3/A2
Komatsu
Detroit Diesel (15W40 in series 40,50,55,60 and all other four stroke engines)
Mack EO-M, EO-M Plus (15W40)
Navistar International



Typical Properties

Royal Diesel Supreme Plus Multigrade

Product Number	106	107	108	109	Test Method
SAE Grade	10W30	10W40	15W40	20W50	-
API	29.91	29.7	28.75	28.22	-
Specific Gravity	0.8767	0.8778	0.8829	0.8859	ASTM D4052
Lbs/Gal	7.301	7.31	7.354	7.378	-
Density	0.8762	0.8773	0.8825	0.8855	-
Flash Point °C	196	198	210	221	ASTM D92
Pour Point °C	-30	-27	-24	-24	ASTM D97
Color	<7.5	<7.5	<7.5	<7.5	ASTM D1500
Viscosity					
@100°C cSt	9.868	13.4	14.75	18.9	ASTM D445
@40°C cSt	65.31	97.54	116.1	170.7	
Viscosity Index	134	145	133	123	ASTM D2270

These properties are typical of the current production. Variations that do not affect product performance are to be expected depending on blending and manufacturing locations. The information contained herein is subject to change without notice.

Health and Safety:

This product is unlikely to have any adverse health implications or safety hazards when used for its intended application. Avoid contact with skin, use resistant gloves when handling used oil. If skin comes in contact wash immediately with soap and water. For complete information on safe handling and product characteristics please refer to the Material Safety Data Sheet (MSDS) found on our website. www.royalmfg.com or call (918)-584-2671.

Packaging options:



Quarts



1 Gal Jugs



5 Gal Pails



55 Gal Drums



275/330 Gal Totes



>2000 Gal Bulk