

## PRODUCT DATA SHEET

### **Royal Diesel Supreme Ultra** **Heavy Duty Diesel Engine Oil**



#### PRODUCT DESCRIPTION:

**Royal Diesel Supreme Ultra** (15W40) oils are formulated for extended drain service in the most demanding applications requiring API Service Category CJ-4/SM, as well as, the latest OEM's (Original Equipment Manufacturers) for the following engine specification manufacturer technologies: EGR (Exhaust Gas Re-circulation), ACERT (Advanced Combustion Emission Reduction Technology), DPF (Diesel Particulate Filter) technology, and other exhaust after treatment devices. At the same time, they continue to provide long drain service in conventional engines by promoting longer engine life and reduced component wear by providing higher oil film thickness, better wear performance and improved oxidation control at higher temperatures. API CJ-4 delivers improved soot-handling and shear stability performance in all engines.

#### KEY FEATURES:

- Meets the needs of today's high-performance, fuel efficient, low emission diesel and gasoline engines
- Enhanced oxidation stability, valve train wear and deposit control

#### CUSTOMER BENEFITS:

- Extended oil drain capability (oil analysis recommended)
- Better cold flow properties for easier starting in colder weather
- Overall increased engine protection
- More effectual shear stability for better viscosity control

#### APPLICATIONS:

ACEA E7  
Allis-Chalmers  
Caterpillar ECF-1  
Cummins 20081  
Detroit Diesel DDC 93K218  
Deutz  
DHD-1  
General Motors-Allison C-4  
JCB  
J.I. Case  
John Deere  
Komatsu  
Mack EO-O Premium Plus  
Mercedes 228.3  
Navistar International  
Volvo VDS-4

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### PACKAGING:

Totes, Drums, Pails, Gallons, Quarts

## Typical Properties

Royal Diesel Supreme Ultra		
Product Number	127CJ	Test Method
SAE Grade	15W40	-
Viscosity@40°C cSt	117.0	ASTM D445
Viscosity@100°CcSt	14.99	ASTM D445
Viscosity Index (VI)	132	ASTM D2270
API	30.22	
Specific Gravity	0.875	
Density	0.874	
Pour Point °C	-30	ASTM D97
Lbs/Gal	7.287	
Flash Point °C	196	ASTM D92
Color	<7.0	ASTM D1500

*Typical Properties are typical of those obtained with normal production tolerance and do not constitute essentially a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice.*

### Health and Safety:

When used for its intended application, this product is not expected to have any adverse health implications. For complete information on safe handling, as well as physical and chemical characteristics please refer to the Material Safety Data Sheet (MSDS) found on our website, [www.royalmfg.com](http://www.royalmfg.com), or call 918-584-2671. Do not use this product for purposes other than its intended use. Please be responsible to the environment when disposing of used product.