



Diesel Supreme Ultra

Heavy Duty Diesel Engine Oil

Diesel Supreme Ultra oils are formulated for extended drain service in the most demanding applications requiring API Service Category CJ-4/SN, as well as the latest OEM's (Original Equipment Manufacturers) for the following engine specifications operating on less than 500 ppm sulfur fuel. Suited for 2007 compliant engines equipped with:

- EGR (Exhaust Gas Re-circulation)
- ACERT (Advanced Combustion Emission Reduction Technology)
- DPF (Diesel Particulate Filter) technology
- And other exhaust after treatment devices

Diesel Supreme Ultra also provides long drain service in conventional engines by offering a higher oil film thickness, better wear performance and improved oxidation control at higher temperatures. These properties allow for a longer engine life as well as reduced component wear.

Performance Features

- Meets the needs of today's high-performance, fuel efficient, low emission diesel and gasoline engines.
- Advanced corrosion protection.
- Enhanced oxidation stability, valve train wear and deposit control.
- Excellent protection of modern engines in addition to older models.

Customer Benefits

- Superior protection of engine hardware throughout the drain interval.
- Better cold flow properties for easier starting in colder weather.
- Overall increased engine protection
- More effectual shear stability for better viscosity control.
- Reduction of high temperature deposits.

Royal Diesel Supreme Ultra Specifications		
API CJ-4	API CI-4 PLUS	API CI-4
API CH-4	API SN	API SM
CAT ECF-3	CAT ECF-2	CAT ECF-1-A
ACEA E9-08 ISSUE 2 (2010)	ACEA E7-4 ISSUE 2 (2007)	MB-APPROVAL 228.31
MTU TYPE 2.1	VOLVO VDS-4	VOLVO VDS-3
DEUTZ DQC III-10 LA	MACK EO-O PP-07	CUMMINS CES 20081
MACK EO-O PREMIUM PLUS	MAN M 3575	RENAULT TRUCK RLD-3
	DETROIT DIESEL DDC 93K218	



Typical Properties

Diesel Supreme Ultra			
Product Number	127CJ	132CJ	Test Method
SAE Viscosity Grade	15W-40	10W-30	-
Kinematic Viscosity			
@40°C cSt	110	75	ASTM D445
@100°C cSt	15.9	12.3	
Viscosity Index	155	160	ASTM D2270
Specific Gravity	0.879	0.868	-
Flash Point °C	>210	>210	ASTM D92
Pour Point °C	-30	-30	ASTM D97
API	29.5	31.5	-
Lbs/Gal	7.32	7.23	-
Color	<7.0	< 7.0	ASTM D1500

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 above 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