

# Reliant™ J-4



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## Product Description

D-A Reliant™ J-4 has been designed specifically to meet the stringent requirements of API Service Category CJ-4 used in 2007 and later model diesel engines running primarily on ultra low sulphur fuel and equipped with aftertreatment devices. Reliant J-4 is a technologically-advanced heavy-duty diesel engine oil, designed to provide extra protection against deposits and wear for engines operating in heavy duty service. Reliant J-4 is recommended for diesel engines requiring an engine oil meeting API Service Categories CJ-4, CI-4+, CI-4, CH-4 and CF. It is also suitable for modern gasoline engines requiring API SM oil as well as older gasoline engines requiring SL and SJ. Reliant J-4 meets the requirements for ACEA E7 and ACEA E9; Cat ECF-2 and ECF-3; Cummins 20081; DDC 93K214; DDC 93K215; DDC 93K218; Mack EO-O Premium Plus '07; Mack EO-M Plus; Mack EO-N Premium Plus '03; MAN 3275; Volvo VDS-3, Volvo VDS-4; Mercedes Benz MB p228.3 or p228.31; Renault RLD-3. Innovative concepts have been incorporated into D-A Reliant J-4 to provide efficient equipment operation and improved component durability.

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## Product Features and Benefits

Carefully selected base oils designed for diesel engine service provide:

- *reduced oil consumption*
- *improved control of engine wear through rapid oil flow on cold starts*
- *proper metal-to-metal separation during high temperature / high load operation.*

Contains optimum dosage of active diesel detergents to keep internal engine parts clean and operating efficiently under Exhaust Gas Recirculation conditions.

Meets service requirements of mixed heavy-duty diesel fleets in addition to meeting the oil specifications for 2007 and later model diesel engines running on ultra low sulphur diesel fuel.

API SM approval satisfies gasoline engine service requirements.

The use of shear stable polymer results in resistance to in-service viscosity loss, providing excellent viscosity protection and reduced oil consumption under tough service conditions. Reduces operating costs.

Precise product balance for optimum performance for reduced maintenance expense and compliance with engine manufacturer warranty service requirements.

Reliant J-4 composition has been designed to provide extended life for exhaust aftertreatment devices.

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## Service Applications

ACEA E9, ACEA E7

API Service Categories CJ-4, CI-4+, CI-4, CH-4, CF

API Service Categories (Gasoline engines) SM, SL, SJ

Cat ECF-2, ECF-3

Cummins 20081

DDC 93K218, DDC 93K215, DDC 93K214

Mack EO-O Premium Plus '07, EO-N Premium Plus '03, EO-M Plus

MAN 3275

Mercedes Benz MB p228.3 or p228.31

Renault RLD-3

Volvo VDS-4, Volvo VDS-3

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### Typical Properties:

<b>SAE Viscosity Grade</b>		<b>15W-40</b>
Viscosity at 100 °C, cSt	ASTM D445	15.25
Viscosity at 40 °C, cSt	ASTM D445	118.36
Viscosity Index	ASTM D2270	134
CCS Viscosity, cP	ASTM D5293	6500
MRV, cP	ASTM D4684	<20,000
HTHS Viscosity, cP	ASTM D4683	4.18
Total Base Number	ASTM D2896	10
Sulfated Ash, Wt. %		0.99
Flash Point, COC, °F (°C)		444 (229)

**To Order D-A Products, Call 1-800-OIL-LUBE (1-800-645-5823)  
Or Fax Orders to (317) 923-3884**

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