

Reliant ST™ J-4

Synthetic Blend



Product Description

D-A Reliant ST™ 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 ST™ J-4 (synthetic blend technology) is a high performance, partial synthetic engine oil designed to provide maximum engine protection and extended service capability. Reliant ST 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 ST 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. Having passed all tests on the first run, Reliant ST J-4 meets the requirements for ACEA E9 and ACEA E7; Cat ECF-2 and ECF-3; Cummins 20081; DDC 93K218; DDC 93K215; DDC 93K214; Mack EO-O Premium Plus '07; Mack EO-N Premium Plus '03; Mack EO-M Plus; MAN 3275; Mercedes Benz MB p228.3 or p228.31; Renault RLD-3; Volvo VDS-4 and VDS-3. Innovative concepts have been incorporated into D-A Reliant ST J-4 to provide efficient equipment operation and improved component durability.

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 ST 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

Typical Properties:

SAE Viscosity Grade		15W-40
Viscosity at 100°C, cSt	ASTM D445	15.15
Viscosity at 40°C, cSt	ASTM D445	113
Viscosity Index	ASTM D2270	140
CCS Viscosity, cP (-20°C)	ASTM D5293	5600
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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