

RADCOLUBE® 2135 TDS



700 Kingsland Drive
PO Box 1928
Batavia, IL 60510
Phone: (630) 232-7966
Fax: (630) 232-7968
www.Radcoind.com

MILITARY FLUIDS

MIL-PRF-17672E

ISO Viscosity Grade: 68

RADCOLUBE® 2135

(Hydraulic Fluid, Petroleum, Inhibited)

RADCOLUBE® 2135 is a military specification inhibited petroleum-based hydraulic fluid containing anticorrosion and anti-oxidation additives for use in hydraulic systems and in other applications where a high grade lubricating oil having anticorrosion and anti-oxidation properties is required. This fluid should not be used in systems where a fire resistant fluid is specified.

Qualification Number: Ser 05S/2016-001

Qualification Date: 08-January-2016

Military Symbol: 2135-T-H

ISO 9001:2015 Certification Number: C2018-00035

National Stock Numbers Available From Radco

9150-00-985-7237 5 Gallon Pail

9150-00-584-2560 55 Gallon Drum

Chemical and Physical Properties	Requirement	Typical Results	Test Method
Acid Number, mg KOH/g, maximum	0.2	0.09	ASTM D664
API Gravity	Report	31.0	ASTM D1298
ASTM Color	Report	1.5	ASTM D1500
Conradson Carbon Residue	Report	<0.001%	ASTM D4530
Corrosion, copper strip @ 100°C (212°F), maximum	1	1b	ASTM D130

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Emulsion Test, after 30 minutes settling time: Oil Layer/Water Layer/Emulsion Layer mL, maximum	41 / Report / 3	41 / 39 / 0	ASTM D1401
Flash Point, °C (°F) minimum	171°C (340°F)	254°C (489.2°F)	ASTM D92
Foam Characteristics, after blowing/after 10 minutes: Sequence I, milliliter maximum Sequence II, milliliter maximum Sequence III, milliliter maximum	65 / 0 65 / 0 65 / 0	0 / 0 0 / 0 0 / 0	ASTM D892
Homogeneity, sedimentation or separation	None	None	MIL-PRF-17672E paragraph 4.4.5
Oxidation Stability by Rotating Bomb, minutes	Report	1020	ASTM D2272
Oxidation Test, after 1000 hours Acid Number, mgKOH/g, maximum Total Sludge, mg maximum Total Iron, mg maximum Total Copper, mg maximum	2.0 100 100 100	0.07 16.5 22.98 0.10	ASTM D943 ASTM D974 ASTM D4310 ASTM D4310 ASTM D4310
Pour Point, °C (°F) maximum	-18°C (0°F)	-33°C (-27.4°F)	ASTM D97
Rust Prevention (in the presence of salt water)	Pass	Pass	ASTM D665 procedure B

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Solid Particle Contamination, mg/100 milliliter maximum	2.5	0.0	ASTM D4898
Sulfated Ash, mass percent	Report	<0.001%	ASTM D874
Sulfur, mg/kg	Report	37	ASTM D2622
Viscosity Index, minimum	94	102	ASTM D2270
Viscosity, centistokes (cSt) @ 100°C (212°F)	Report	8.5	ASTM D445
Viscosity, centistokes (cSt) @ 40°C (104°F)	61.2 – 74.8	65.0	ASTM D445
Water, percent maximum	0.01%	0.00%	ASTM D6304
Workmanship	Conform	Conforms	ISO 9001

Manufacturing Location: Batavia IL 60510

[Back to Military Fluids](#)