



RADCOLUBE® 2075 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: 32

RADCOLUBE® 2075

(Hydraulic Fluid, Petroleum, Inhibited)

RADCOLUBE® 2075 is a military-specification, inhibited petroleum-based hydraulic fluid containing anti-corrosion and anti-oxidation additives for use in hydraulic systems and in other applications where a high-grade lubricating oil having anti-corrosion 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: 8-January-2016
Military Symbol: 2075-T-H
ISO 9001:2015 Certification Number: C2018-00035

National Stock Numbers Available From Radco

9150-00-985-7232 5 Gallon Pail
9150-00-985-7233 55 Gallon Drum

Chemical and Physical Properties	Requirement	Typical Results	Test Method
Acid Number, mg KOH/g, maximum	0.2	0.08	ASTM D664
API Gravity	Report	32.8	ASTM D1298
ASTM Color	Report	L1.0	ASTM D1500
Conradson Carbon Residue	Report	<0.001%	ASTM D4530



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Corrosion, copper strip @ 100°C (212°F), maximum	1	1b	ASTM D130
Emulsion Test, after 30 minutes settling time: Oil Layer/Water Layer/Emulsion Layer, milliliter maximum	41 / Report / 3	41 / 39 / 0	ASTM D1401
Flash Point, °C (°F) minimum	157°C (315°F)	222°C (432°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
ICP Metals Analysis of Copper and Iron Content, mg maximum Total Iron Total Copper	100 100	0.35 0.29	MIL-PRF-17672E Appendix A & C
Oxidation Stability by Rotating Bomb, minutes	Report	881	ASTM D2272
Oxidation Test, after 1000 hours Acid Number, mgKOH/g, maximum Total Sludge, mg maximum	2.0 100 100	0.34 7.50 0.35	ASTM D943 ASTM D974 ASTM D4310



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Total Iron, mg maximum	100	0.29	ASTM D4310
Total Copper, mg maximum			ASTM D4310
Pour Point, °C (°F) maximum	-29°C (-20°F)	-36°C (-32.8°F)	ASTM D97
Rust Prevention (in the presence of salt water)	Pass	Pass	ASTM D665 procedure B
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	23	ASTM D2622
Viscosity Index, minimum	94	97	ASTM D2270
Viscosity, centistokes (cSt) @ 100°C (212°F)	Report	5.5	ASTM D445
Viscosity, centistokes (cSt) @ 40°C (104°F)	28.8 – 35.2	34.0	ASTM D445
Water, percent maximum	0.01%	0.00%	ASTM D6304
Workmanship	Conform	Conforms	ISO 9001

Manufacturing Location: Batavia IL 60510