MIL-PRF-17672E

RADCOLUBE® 2075

ISO Viscosity Grade: 32 (Hyrdraulic 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.

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RADCOLUBE® 2075
ISO VISCOSITY GRADE: 32
MIL-PRF-17672E
CHEMICAL & PHYSICAL PROPERTIES

	REQUUIREMENT	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 1500
Conradson Carbon Residue	REPORT	<0.001%	ASTM D4530
Corrosion Copper Strip, @ 100°C (212°F), maximum	1	1b	ASTM D130
Emulsion Test, 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	157°C (315 °F)	222°C (432°F)	ASTM D92
Foam Characteristics, after blowing/after 10 minutes Sequence I, milliliter maximum	65/0	0/0	ASTM D892
Foam Characteristics, after blowing/after 10 minutes Sequence II, milliliter maximum	65/0	0/0	ASTM D892
Foam Characteristics, after blowing/after 10 minutes Sequence III, milliliter maximum	65/0	0/0	ASTM D892
Homogeneity, Sedimentation or separation	None	None	MIL-PRF-17672E Paragraph 4.4.5
ICP Metals Analysis of Copper & Iron content, mg maximum: Total Iron	100	0.35	MIL-PRF-17672E Appendix A & C
ICP Metals Analysis of Copper & Iron content, mg maximum: Total Copper	100	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	2.0	0.34	ASTM D943
Oxidation Test after 1000 Hours, Total Sludge, mg maximum	100	7.50	ASTM D974
Oxidation Test after 1000 Hours, Total Iron, mg maximum	100	0.35	ASTM D4310
Oxidation Test after 1000 Hours, Total Copper, mg maximum	100	0.29	ASTM D4310
Pour Point, °C (°F) minimum	-29°C (-20°F)	-36°C (-32.8°F)	ASTM DD97
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

QUALIFICATION NUMBER:
Ser 05S/2016-001

QUALIFICATION DATE:
08 JANUARY 2016

NATO CODE: 2075-T-H

ISO9001:2015 Certification Number: C2018-00035

NATIONAL STOCK NUMBERS
AVAILABLE FROM RADCO

9150-00-985-7232	5 GALLON PAIL
9150-00-985-7233	55 GALLON DRUM

MANUFACTURING LOCATION:
Batavia, IL 60510

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