

MIL-PRF-17672E

RADCOLUBE® 2110

ISO Viscosity Grade: 46 (Hydraulic Fluid, Petroleum, Inhibited)

RADCOLUBE® 2110 is a military specification inhibited petroleum-based hydraulic fluid containing anticorrosion and antioxidation additives for use in hydraulic systems and in other applications where a high-grade lubricating oil having anticorrosion and antioxidation properties is required. This fluid should not be used in systems where a fire-resistant fluid is specified.



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**CHEMICAL &
 PHYSICAL PROPERTIES**

	REQUIREMENT	TYPICAL RESULTS	TEST METHOD
Acid Number mg KOH/g, maximum	0.2	0.09	ASTM D664
API Gravity	REPORT	31.9	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	163°C (325°F)	238°C (460.4°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
Oxidation Stability by Rotating Bomb, Minutes	Report	873	ASTM D2272
Oxidation Test after 1000 Hours, Acid Number, mgKOH/g, maximum	2.0	0.11	ASTM D943
Oxidation Test after 1000 Hours, Total Sludge, mg maximum	100	28.40	ASTM D974
Oxidation Test after 1000 Hours, Total Iron, mg maximum	100	13.21	ASTM D4310
Oxidation Test after 1000 Hours, Total Copper, mg maximum	100	0.46	ASTM D4310
Pour Point, °C (°F) minimum	-23°C (-10°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	35.3	ASTM D2622
Viscosity Index, minimum	94	101	ASTM D2270
Viscosity, centistokes (cSt) @ 100°C (212°F)	REPORT	6.8	ASTM D445
Viscosity, centistokes (cSt) @ 40°C (104°F)	41.1-50.6	46.0	ASTM D445
Water, percent maximum	0.01%	0.00%	ASTM D6304
Workmanship	Conform	Conforms	ISO 9001

**QUALIFICATION
 NUMBER:**

Ser 05S/2015-250

**QUALIFICATION
 DATE:**

22 JULY 2015

NATO CODE: H-573

**ISO 9001:2015 Certification
 Number: C2018-00035**

**NATIONAL
 STOCK NUMBERS**

AVAILABLE FROM RADCO
 9150-00-753-4799 OBLONG GALLON
 9150-00-985-7234 5 GALLON PAIL
 9150-00-582-5480 55 GALLON DRUM

**MANUFACTURING
 LOCATION:**

Batavia, IL 60510

**RADCO
 INDUSTRIES**

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