

RADCOLUBE® 2110 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: 46

RADCOLUBE® 2110

(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.

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

Chemical and Physical Properties	Requirement	Typical Results	Test Method
Acid Number, mg KOH/g, maximum	0.2	0.09	ASTM D664
API Gravity	Report	31.9	ASTM D1298
ASTM Color	Report	L1.0	ASTM D1500
Conradson Carbon Residue	Report	<0.001%	ASTM D4530

RADCOLUBE® 2110 TDS



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

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	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
Sequence II, milliliter maximum	65 / 0	0 / 0	
Sequence III, milliliter maximum	65 / 0	0 / 0	
Homogeneity, sedimentation or separation	None	None	
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
Total Sludge, mg maximum	100	28.40	ASTM D974
Total Iron, mg maximum	100	13.21	ASTM D4310
Total Copper, mg maximum	100	0.46	ASTM D4310
Pour Point, °C (°F) maximum	-23°C (-10°F)	-36°C (-32.8°F)	ASTM D97

RADCOLUBE® 2110 TDS



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

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)	41.4 – 50.6	46.0	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](#)