

# MIL-PRF-17672E

## RADCOLUBE® 2135

ISO VISCOSITY GRADE: 68 (Hydraulic Fluid, Petroleum, Inhibited)

**RADCOLUBE® 2135** 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.



**RADCOLUBE® 2135**  
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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	31.0	ASTM D1298
ASTM Color	Report	1.5	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	171°C (340°F)	254°C (489.2°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	1020	ASTM D2272
Oxidation Test after 1000 Hours, Acid Number, mgKOH/g, maximum	2.0	0.07	ASTM D943
Oxidation Test after 1000 Hours, Total Sludge, mg maximum	100	16.5	ASTM D974
Oxidation Test after 1000 Hours, Total Iron, mg maximum	100	22.98	ASTM D4310
Oxidation Test after 1000 Hours, Total Copper, mg maximum	100	0.10	ASTM D4310
Pour Point, °C (°F) minimum	-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
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

**QUALIFICATION NUMBER:**  
 Ser 05S/2016-001

**QUALIFICATION DATE:**  
 08 JANUARY 2016

**NATO CODE: 2135-T-H**

**ISO9001:2015 Certification  
 Number: C2018-00035**

**NATIONAL  
 STOCK NUMBERS**  
 AVAILABLE FROM RADCO  
 9150-00-985-7237 5 Gallon Pail  
 9150-00-584-2560 55 Gallon Drum

**MANUFACTURING  
 LOCATION:**  
 Batavia, IL 60510

**RADCO  
 INDUSTRIES**

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