



CERTIFICATE OF TEST RESULTS FOR RADCOLUBE® 2135
MIL-PRF-17672F HYDRAULIC FLUID, PETROLEUM, INHIBITED
ISO VISCOSITY GRADE 68, GRADE CODE C

<u>CHARACTERISTICS</u>	<u>REQUIREMENT</u>	<u>Results</u>	<u>TEST METHOD</u>
API Gravity	Report	30.6	ASTM D1298
Pour Point, °C (°F) maximum	-18°C (0°F)	-39°C (-38.2°F)	ASTM D97
Flash Point, °C (°F) minimum	171°C (340°F)	250°C (482°F)	ASTM D92
Viscosity, centistokes (cSt) at 100°C (212°F) at 40°C (104°F)	Report 61.2 — 74.8	8.5 64.6	ASTM D445
Viscosity Index, minimum	94	101	ASTM D2270
Acid Number, mg-KOH/g, maximum	0.2	0.03	ASTM D664
Corrosion, copper strip at 100°C (212°F), maximum	1	1B	ASTM D130
Rust Prevention (in the presence of salt water)	Pass	Pass	ASTM D665 procedure B
Water, percent maximum	0.01%	0.00%	ASTM D6304
Sulfated Ash, mass percent	Report	<0.001%	ASTM D874
Foam Characteristics, after blowing/after 10 minutes: Sequence I, mL maximum Sequence II, mL maximum Sequence III, mL maximum	65 / 0 65 / 0 65 / 0	0 / 0 0 / 0 0 / 0	ASTM D892
Emulsion Test, after 30 minutes settling time: Oil Layer/Water Layer/Emulsion Layer, mL maximum	41 / Report / 3	40 / 40 / 0	ASTM D1401
Oxidation Test, after 1000 hours: Acid Number, mg KOH/g, maximum Total Sludge, mg, maximum Total Iron, mg, maximum Total Copper, mg, maximum	2.0 100 100 100	0.07 16.5 22.98 0.1	ASTM D664 ASTM D4310 ASTM D4310 ASTM D4310
Oxidation Stability by Rotating Bomb, minutes	Report	1020	ASTM D2272
Solid Particle Contamination, mg/100mL maximum	2.5	0.2	ASTM D4898
ASTM Color	Report	L1.0	ASTM D1500
Sulfur, ppm	Report	37	ASTM D2622
Conradson Carbon Residue	Report	<0.001%	ASTM D4530
Compatibility	MIL-PRF-17672F Section 3.3	Pass	MIL-PRF-17672F Section 4.4.2
Homogeneity, sedimentation or separation	MIL-PRF-17672F Section 3.4	Pass	MIL-PRF-17672F Section 4.4.3
Appearance	MIL-PRF-17672F Section 3.5	Pass	MIL-PRF-17672F Section 4.4.4