

Tripoli Rocketry Association, Inc. Tripoli Motor Testing 1600 Amelia CT, Apt 1024 Plano, TX 75075 602-625-2199

January 22, 2007

Mr. Thomas Sanders 49 North Blvd., Suite #2 Lake Havasu City, AZ 86403

Dear Mr. Sanders,

The Contrail Rockets I400HP rocket motor was tested on 5-6 November 2005 and is in compliance with the NFPA 1125. The motor is certified indefinitely (Review due, Dec 2010) for hobby rocketry use by the members of the Tripoli Rocketry Association and any associations holding a reciprocal certification agreement.

Motor Manufacture	Contrail Rockets	Test Date	5-6 Nov 05
Motor Designation	1400HP	Certified Until	Indefinitely
TMT Metric Designation	1398 (35%)	Samples per Second	480
Metric Dimensions	38 X 922 MM	Burn Time	1.0 seconds
Total Weight	925 g	Total Impulse	432 NS
Recovery Weight	839 g	Maximum Thrust	1006 N
Fuel Grain Weight	166 g	Average Thrust	398 N
Nitrous Oxide Volume	460 cc	-	

350 300 250 200 Pounds 150 1. Million march 100 WWW. 50 Mammun 0 0 0.2 0.4 0.6 0.8 1.2 1.4 Seconds

CR 1400HP

Sincerely,

H. Paul Holmes Tripoli Motor Testing Chair