



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

January 22, 2007

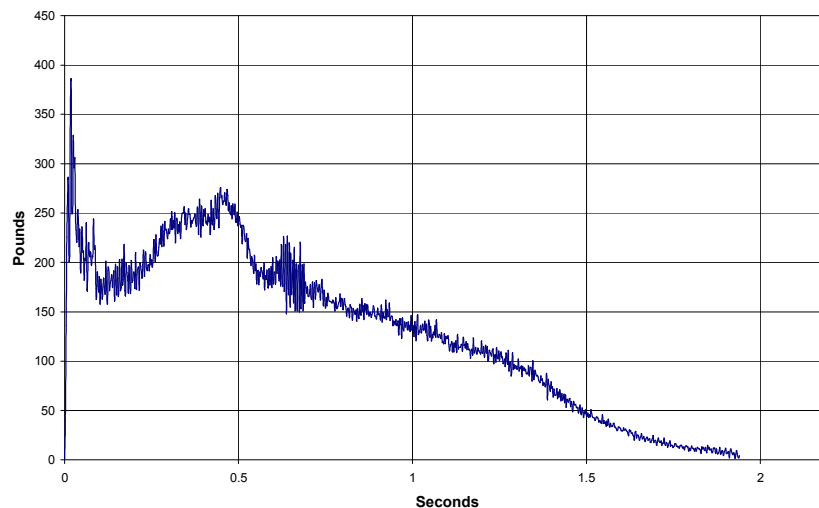
Mr. Thomas Sanders
 49 North Blvd., Suite #2
 Lake Havasu City, AZ 86403

Dear Mr. Sanders,

The Conrail Rockets J642BG rocket motor was tested on 25-26 Mar 2006 and is in compliance with the NFPA 1125. The motor is certified indefinitely (Review due, Jun 2011) for hobby rocketry use by the members of the Tripoli Rocketry Association and any associations holding a reciprocal certification agreement.

Motor Manufacture	Conrail Rockets	Test Date	25-26 Mar 06
Motor Designation	J642BG	Certified Until	Indefinitely
TMT Metric Designation	J634 (71%)	Samples per Second	480
Metric Dimensions	54 X 922 MM	Burn Time	1.72 seconds
Total Weight	1791 g	Total Impulse	1092.6 NS
Recovery Weight	1632 g	Maximum Thrust	1493.92 N
Fuel Grain Weight	450 G	Average Thrust	633.66 N
Nitrous Oxide Volume	910 cc		

54 36 XF BG



Sincerely,

H. Paul Holmes
 Tripoli Motor Testing Chair

plh