

NAR OFFICIAL CERTIFICATION LABORATORY
HIGH POWER ROCKET ENGINE TESTING REPORT

Manufacturer and Type: AMW K555

Effective Dates: NAR Certification: 1/20/05

Certified Total Impulse (N-Sec): 1300

Delay Times: Plugged

Propellant Type: Skidmark

Propellant Mass (GM): 862

Casing Diameter (MM): 54

Casing Length (MM): 492

- - - - - STATIC TEST DATA - - - - -

Number Tested: 3

Casing Date Codes: None

Date Tested: 12/20/04

Test Temp (°c): 17

Elevation (FT): 200

Total Impulse (N-Sec): 1294.46

std. deviation: 9.32

Peak Thrust (Newtons): 916.54

std. deviation: 91.89

Burn Time (Seconds): 2.36

std. deviation: 0.02

Casing Burnt Mass (GM): 871.0

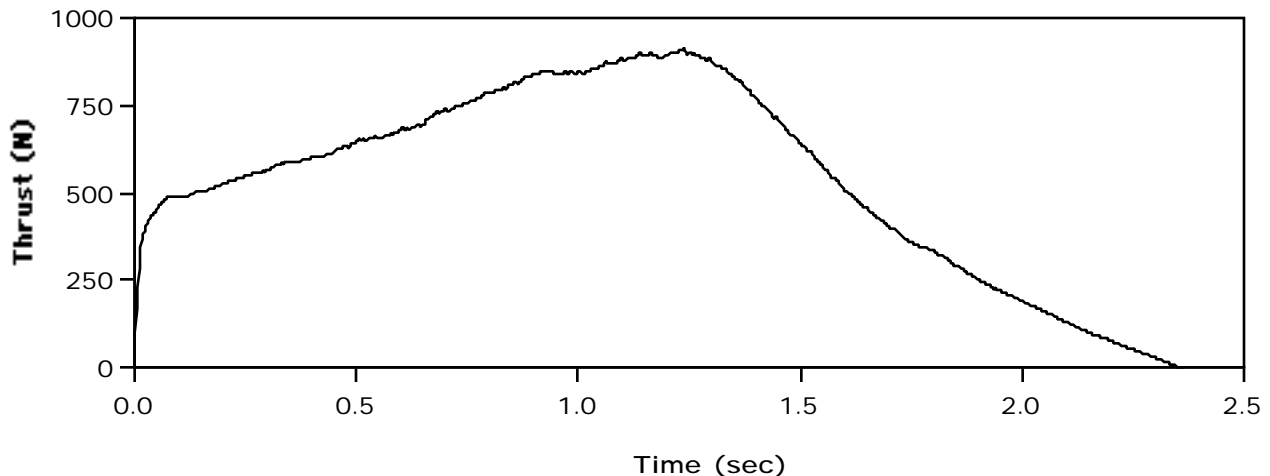
Max Casing External Temp (°c): under 200

Delay Time (sec)	Plugged
Initial Mass (gm)	1733.1
Avg. Measured Delay	None

Remarks:

Uses the 54-1750 motor case

Typical Thrust - Time Curve




NAR S&T Committee Chairman