

ANIMAL MOTOR WORKS L1400

CERTIFIED VALUES

Total Impulse: 4744.25 newton-seconds
Delays: P

Propellant Type: Composite / Skidmark
Propellant Mass: 2829.4 grams

Casing Dimensions: 75 mm × 785 mm

Certification Date: 07-May-20

Certification Type: High Power Rocket

STATIC TEST DATA

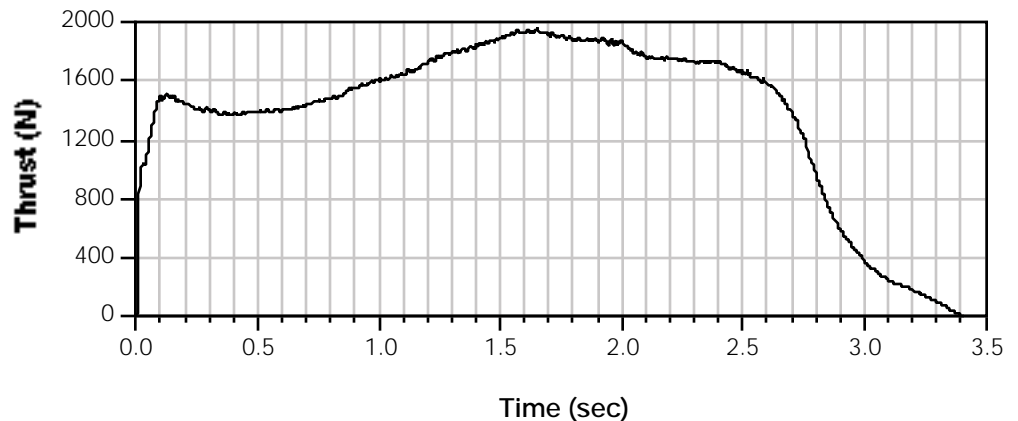
Date Tested: 07-May-19

Total Impulse: 4744.25 newton-seconds (42.95)
Peak Thrust: 1963.34 newtons (147.12)
Burn Time: 3.41 seconds (0.20)
Average Thrust: 1390.87 newtons

Mass After Firing: 2375.4 grams

Delay Time	Average Measured Delay	Initial Mass
P	NONE	5204.8 g

TYPICAL THRUST-TIME CURVE



REMARKS

Consists of the Animal Motor Works 75- 6000 motor and Animal Motor Works L1400SK-P reload kit. No substitutions allowed.

				Propellant					
AMW	L1400			Type: SK					
				Mass: 2829.4 Gm					
Data Rate	1000 CPS								
Test Dte	May 19, 2007			ISP (Sec)	171				
Rated Avg Thrust:		1390.87							
	ENGINE	TOTAL	MAX	AVG	BURN	DELAY	INIT	BURNT	PROPELLANT
	TYPE	IMPULSE	THRUST	THRUST	TIME	TIME	WT	WT	WT
#1	75-6000	4689.84	1784.01	1285.2	3.65	P	5186.1	2364.6	2821.5
#2	75-6000	4748.06	1961.64	1388.73	3.42	P	5214.2	2392.8	2821.4
#3	75-6000	4794.85	2144.36	1514.96	3.17	P	5195.3	2357.9	2837.4
	AVG	4744.25	1963.34	1396.31	3.41		5204.8	2375.4	2829.4
	STD	42.95	147.12	93.94	0.20				
	STD %	0.91	7.49	6.73	5.80				