

9 GUNS 12-6-77

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Some Lift & Engagements were measured on the Optical Comparator

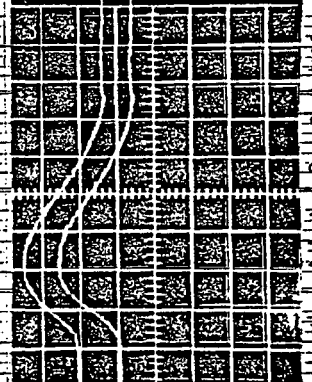
Test Performed on the M1600 Rifles		Gun # 1	Gun # 2
With the M1600 Fire Control Housing		Serial No. 15900	Serial No. 457895
1	Caliber of each gun	6MM	243
2	Zeroing Point Blank - Measured in inches. Average of 5	0219	025
3	Trigger Pull - Inches - Average of 5	5.65	4.15
4	Safe "ON" - Turns - Average of 5	13	53
5	Safe "OFF" - Turns - Average of 5	32	445
6	Engagement - Measured in inches	0118	0115
7	Lift - Measured in Turns	012	0083
8	Lock Time - in Msec - Average of 10	31	
9	Accuracy - Average of 10 shots at 100 yds.		
	Accuracy Device was used	Horizontal	
		Vertical	
		Group	59
10	Line Fire - Shot From Light Tank - Rounds		504
11	Engagement - Shots and rounds		021
	List - After 500 rounds		10379
12	Engagement - After 1000 rounds		
	List - After 1000 rounds		
13	Rock / Det Fire - 3600 yds - Mounted in tank - 500 rounds		
		TRM PHU	
14	Safety on / off - 25000 yds - 100 - 500 rounds		
	Safety on		
	Safety off		
15	Drop Test - Safety on		
	(gun on / no gun)		
	Drop		
	Bottom		
	Muzzle		
	Butt		
16	Drop Test - Safety off		
	Drop		
	Bottom		
	Muzzle		
	Butt		

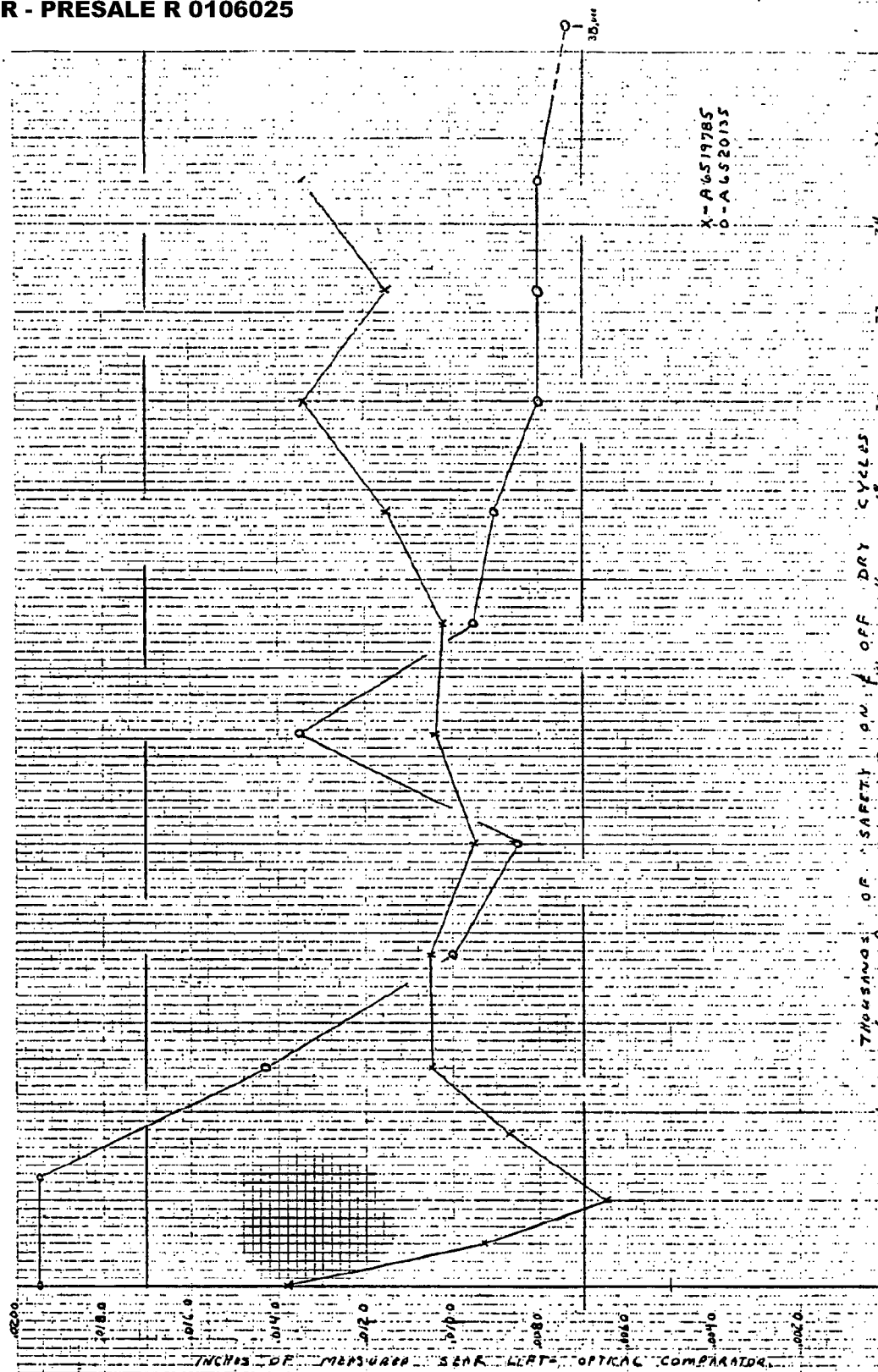
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Engagement & Lift were measured on the Optical Comparator by the use of the Reflection Unit.

M/600 Australian Gun Evaluation
11-28-77 C.J. Sweet

GUN	CHAMBER	Firing Pin Impact Point (Avg. of 5)	Trigger Pull (lbs)	Safe "On" (lbs)	Safe "Off" (lbs)	Engagement (inches)	Lift (inches)
m/600 Serial No. A6315498	308	.023	4.9	3.33	2.66	.0182	.0135
m/600 Serial No. A637413	308	.0237	4.75	5.33	4.16	.0203	.0155
m/600 Serial No. A632045	308	.0239	4.25	5.5	3.66	.0185	.0125
LOCK TIME m/600 Serial No. A652035	308						
1	32 AS22						
2	32 AS22						
3	32 AS22						
4	32 AS22						
5	32 AS22						
6	32 AS22						
7	32 AS22						
8	32 AS22						
9	32 AS22						
10	32 AS22						
Original Safety Letter for Measurement							





MEASURED POUNDS LOAD		TRIGGER PULL		SAFE ON		SAFE OFF		SEAT - LIFT	
140									
120									
100									
80									
60									
40									
20									
N600 - PILOT (700 TRIGGER HOURS)									
SAFETY ON TRIGGER TO SEAT SEAT AT LOW INCHES									
140									
120									
100									
80									
60									
40									
20									