BARBER - PRESALE R 0107281

TEST - DRY CYCLE (SAFE ON/OFF & COCK and FIRE)

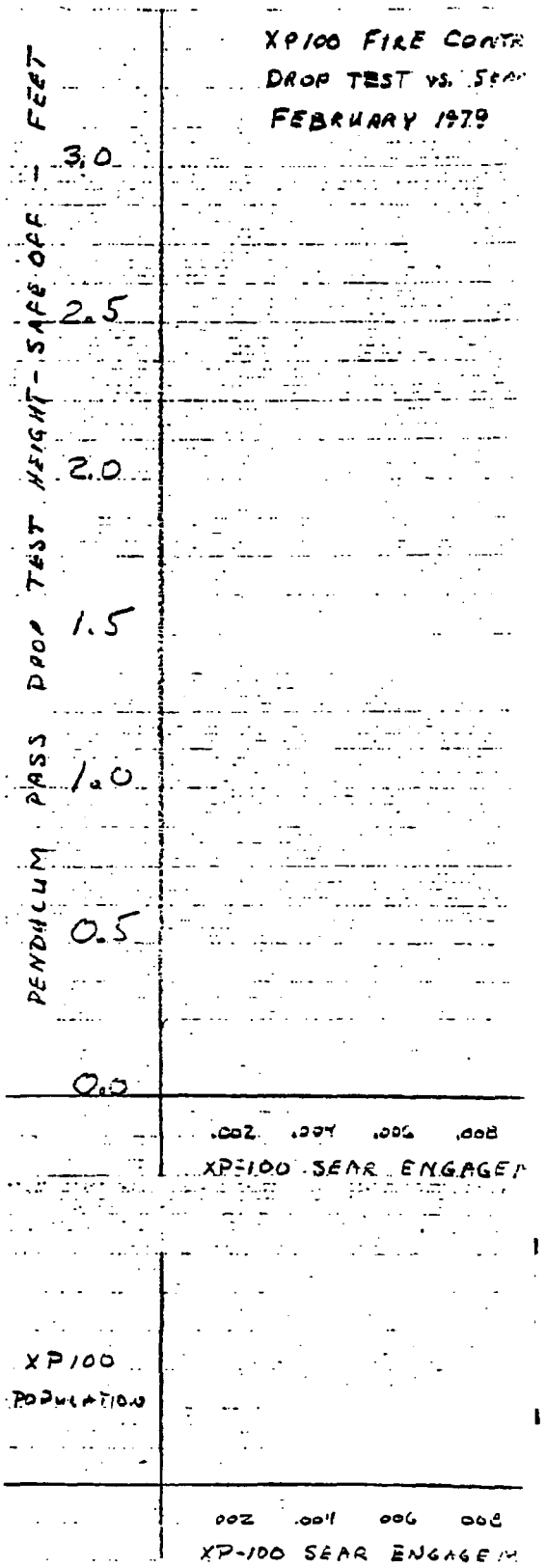
1-31-79

R.K.

Measurements	at 0 cycles	5000 cyc	10000 cyc	15000 cyc	20000 cyc	25000 cyc	30000 cyc	35000 cyc	40000 cyc	45000 cyc	50000 cyc
SAFE ON/OFF											
C-4 B-7505087											
Trigger Pull-Avg. of 3	3.0#	2.25#	2.25#	2.25#	2.5#	2.5#	2.25#	2.5#	2.5#	2.5#	2.25#
Safe On/Off ON	8.0#	9.25#	9.5#	9.25#	9.25#	7.25#	9.0#	8.25#	7.0#	7.25#	9.5#
Force-Avg. of 3 OFF	8.75#	11.0#	11.25#	8.5#	9.25#	9.5#	8.5#	8.5#	8.25#	8.75#	8.75#
Sear Lift	.0105"	.0095"	.0095"	.0095"	.0095"	.0095"	.0095"	.009"	.0095"	.009"	.0095"
Forward Null Lift	.0095"	.009"	.009"	.0095"	.0095"	.0095"	.0095"	.009"	.009"	.0085"	.0095"
A-1 B 7506772											
Trigger Pull-Avg. of 3	2.5#	1.75#	1.75#	1.5#	(4.25#)	1.5#	1.5#	(1.25#)	1.5#	1.5#	1.5#
Safe On/Off ON	9.0#	9.25#	5.75#	6.0#	7.25#	6.75#	9.75#	10.5#	16.0#	7.0#	8.25#
Force-Avg. of 3 OFF	8.0#	8.0#	2.75#	9.25#	8.5#	8.25#	11.5#	9.5#	11.0#	8.0#	4.25#
Sear Lift	.0105"	.011"	.0105"	.0095"	.010"	.0095"	.010"	.0095"	.0105"	.010"	.0105"
Forward Null Lift	.007"	.0085"	.0085"	.009"	.009"	.0085"	.0095"	.009"	.0085"	.009"	.0085"
P- B-											
Cock and FIRE = after 50,000 over cyc safe cycles											
C-4 B-7505087		5000 cyc	10000 cyc								
Trigger Pull-Avg. of 3		2.5#	5.5#								
Safe On/Off ON		5.75#	6.0#								
Force-Avg. of 3 OFF		5.75#	5.75#								
Sear Lift		.0095"	.0095"								
Forward Null Lift		.009"	.0095"								
A-1 B 7506772											
Trigger Pull-Avg. of 3		4.5#	4.5#								
Safe On/Off ON		5.25#	3.75#								
Force-Avg. of 3 OFF		6.0#	5.5#								
Sear Lift		.011"	.009"								
Forward Null Lift		.011"	.009"								
P- B-											

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON
BARBER - PRESALE R 0107281
R2508269

XP 100 TEST - ENDURANCE MEASUREMENT SUMMARY
2-CONTROL SAMPLES / 2 ALTERED SAMPLES / PRINT SAMPLES
1-31-79
R.K.
Measurements
C-1
B-7504938
Trigger Pull-Avg. of 3
Safe on/off
Force-Avg. of 3
Sear Lift
Forward Null Lift
C-2
B-7506393
A-2
B-7506187
A-3
B-7506234
P-2
B 7506257
P
Trigger Pull-Avg. of 3
Safe on/off
Force-Avg. of 3
Sear Lift
Forward Null Lift
ON
OFF
500 rds
1000 rds
1500 rds
2000 rds
R 5000 rds


XP100 FIRE CONTR
DROP TEST vs. SEAR
FEBRUARY 1979
PENDULUM PASS DROP TEST HEIGHT - SAFE OFF - FEET
3.0
2.5
2.0
1.5
1.0
0.5
0.0
.002 .004 .006 .008
XP-100 SEAR ENGAGEM
XP100
POPULATION
002 .004 .006 .008
XP-100 SEAR ENGAGEM