

①

Lubricant Test:

1-7-82
JH.

Procedure: - Cock & Fire Dry Cycle.

Photos at start of test.

- a- ^{cocking} cam surface on bolt body.
- b- firing pin striker

Apply lube: determine amount (spray)
a. bolt assem. (1 sec./2 sec. — etc.)
b. fire control assem. (distance, etc.)

Take the following meas.

- a. trigger pull - (3)
- b. safe on/off forces. (3)
- c. bolt lift — — cocked & fired.

4. Start Dry Cycle
inspection cycles:

0, every 100 cycles on 1st sample of each
lube to determine inspection cycle for remaining
four samples

5. Cycle limit:

25,000 cycles all samples — or failure.

6. Measurements (#3) will be taken on samples.
#2 thru #5 at levels determined by sample #1.

7. Photos at completion of test. --- or failure.
- a.- cam track area on bolt.
 - b.- firing pin striker area.
 - c.- sear and connector surfaces of fire control

3. Measurements (≈ 3) taken at completion of test.

Lubricants to be tested.

- DuPont Diester - production sample.
 - Krylon Ten-4
 - Sprayon 711
 - CRC 3-36
 - Houghton HLP
 - WD-40
 - Moly coté GN - Paste.
- } Red Lion
} results only.

Additional Testing: At completion of ~~successful~~ dry cycle

- Continuation to failure.
- Continuation with lubricant removed.
- Cold tests.
- Environment Tests.

Test Sample Size.

- 1 rifle, 5 bolts, 5 fire controls per lubricant.
- 2 dry cycle machines available.
cycle rate -- 1 every 3 seconds. per machine

(4)

1-12-82
JH

Lubricant Tests - Cont.

— Congealment vs Function —

Firearms: m-700 + m-1100

1. Photos of surfaces where lubricant applied
2. Determine application (Per sheet 1)
3. Live round jack shooting in following sequence:

All to take
place in one
day.

- Fire 100 rds.
 - Place Firearm on roof of building for 4 hours.
 - Place Firearm in freezer for remainder of shift (specify time on log) at -20°
 - Place rifle in stress coat oven overnight at $+120^{\circ}$.
4. Continue with step 3 for one week or until failure of firearm to function properly occurs.

"Failure to function properly."

- The firearm does not perform as designed
- Evaluate rust development, if any
- Record the function of the m-1100 via bolt velocities and or closing velocities during the test when irregular operation occur
- Observe safety operation on both firearms during test.

1-15-52
24

Cleaning Capability, Rust Removal & Prevention

Firearms: Consignment guns at Iliion Fish & Game Club
(Winter Skeet/Trap Shooting)

(All firearms tested will be M-1100-12 and 20ga.)

1. Review firearms and select for excessive crud/dirty condition and rust evident on surfaces of receiver and barrel.
2. Assign a lubricant to a firearm
3. Record via photos; crud and rust.
4. Attempt to clean firearm using assigned lubricant and document results.
5. Thoroughly clean firearm by other means if assigned lubricant fails to do so.
6. Lubricate firearm with assigned lubricant.
7. Maintain accurate log on each firearm in test for one month's usage at the Gun Club.
 - Date - rounds fired.
 - Load used.
 - Shooters comments on function
 - Weather
 - Storage location and temperature variance
8. Review condition of firearms and record results of crud & rust via photos.

Note: - Bolt velocities at start and finish ?

* - Same test at Rem. Farms. ?

SENR LIFT & ENGAGEMENT

updr	Len updr	Len updr
- 0 -	.0095	.017
5000	.010	.0225
10000	.011	.021
15000	.010	.0225
20000	.011	.024
<u>25000</u>	.0125	.025

0	.010	.015
5000	.010	.0205
10000	.011	.021
15000	.010	.0215
20000	.0115	.021
<u>25000</u>	.011	.024

0	.010	.022
5000	.007	.026
10000	.010	.027
20000	.010	.020

0	.010	.017
5000	.010	.020
10000	.0125	.0215
15000		
20000		
25000		

Lean Left

Lean Engaged

00 .0105
00 .010
00 .012
200
100
200

.0215
.024
.0245

0 .0125
5000 .015
10000 .013
15000 .0125
20000 .0115
25000 .0125

.0205
.018
.0185
.0235
.025
.025

0 .010
5000 .0135
10000 .0105
15000 .010
20000 .0085
25000 .008

.0205
.015
.0225
.0205
.025
.0235

0 .0115
5000 .010
10000 .015

.0165
.0205
.0195

0 .012
5000 .0135
10000 .017

.0165
.022
.0195

Low Lift

Low Engagement

0	.012	.018
5000	.0115	.025
10000	.0105	.0255

0	.0125	.0105
5000	.0125	.0125
10000	.015	.0195

0	.0125	.009
5000	.0115	.0185
10000	.014	.020

0	.013	.009
5000	.011	.0165
10000	.0135	.0185

0	.010	.012
5000	.013	.026
10000	.0125	.023

0	.012	.015
5000	.0115	.0205
10000	.0125	.027

Rem Lth Low Lift
Low Eng

.005 - .018
.015 - .020

W. J. KINZER

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
500	5.3	5.6	5.6	5.4	5.7	5.5	5.6	5.5	6.25	5.6	5.8	5.9	5.7	4.0	6
7500	5.3	5.6	5.2	5.2	5.9	5.5	5.5	5.5	5.9	5.7	5.6	5.9	5.2	5.8	6
7000	5.0	5.0	5.2	4.9	5.7	5.2	5.5	5.4	5.7	5.7	5.7	5.9	5.5	6.0	6
5000	5.0	5.1	5.2	5.2	6.0	5.5	5.7	5.2	5.7	5.6	5.4	5.9	5.5	5.6	7
0000	4.8	4.9	5.0	5.2	5.9	5.2	5.5	5.2	6.1	5.7	5.5	5.8	5.5	6.0	6
5000	5.0	5.0				5.0	5.6								
5000	4.9	4.9				5.6	5.6								
5000	4.5	4.8				6.1	5.5								
5000	5.25	5.2				5.5	5.6								
2500	5.50	5.2				5.1	5.8								
5000	5.1	5.1				5.5	5.5								

TESTER: AL

PREVIOUS CYCLES: 17500

DRY CYCLE SIMULATOR NO. 1

CYCLE RATE: _____

LUBRICATION: W D 40

NO. OF CYCLES: 2800

SEAR LIFT: .011

TRIGGER PULL: 1. 5.25 2. 5.25 3. 5.25

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 2800

SEAR LIFT: _____

TRIGGER PULL: 1. 5.50 2. 5.50 3. 5.50

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 2500

SEAR LIFT: .0125

TRIGGER PULL: 1. 5.25 2. 5.25 3. 5.00

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: _____

SEAR LIFT: _____

TRIGGER PULL: 1. _____ 2. _____ 3. _____

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

TEST TITLE: Lean Relief

RIFLE NO. _____

BOLT NO. _____

FIRE CONTROL NO. 1

WORK ORDER NO. _____

TOTAL: 20000

SEAR ENGAGEMENT: .024

TOTAL: 22500

SEAR ENGAGEMENT: _____

TOTAL: 25000

SEAR ENGAGEMENT: .025

TESTER: ALC

PREVIOUS CYCLES: 7500

DRY CYCLE SIMULATOR NO. 1

CYCLE RATE: _____

LUBRICATION: WD 40

NO. OF CYCLES: 2500

SEAR LIFT: 1011

TRIGGER PULL: 1. 5.00 2. 4.75 3. 4.75

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. _____

2. _____

3. _____

NO. OF CYCLES: 2500

SEAR LIFT: _____

TRIGGER PULL: 1. 5.00 2. 5.25 3. 5.00

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. _____

2. _____

3. _____

NO. OF CYCLES: 2520

SEAR LIFT: 1010

TRIGGER PULL: 1. 5.00 2. 5.00 3. 4.75

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. _____

2. _____

3. _____

NO. OF CYCLES: 2500

SEAR LIFT: _____

TRIGGER PULL: 1. 4.50 2. 4.50 3. 4.75

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. _____

2. _____

TEST TITLE: SEAR PULLER

RIFLE NO. 1623 59 51

BOLT NO. _____

FIRE CONTROL NO. 1

WORK ORDER NO. _____

TOTAL: 10.000

SEAR ENGAGEMENT: .021

TOTAL: 12.500

SEAR ENGAGEMENT: _____

TOTAL: 15000

SEAR ENGAGEMENT: .0225

TOTAL: 17500

SEAR ENGAGEMENT: _____

TESTER: RLC

PREVIOUS CYCLES: _____

DRY CYCLE SIMULATOR NO. 1

CYCLE RATE: _____

LUBRICATION: WD40

NO. OF CYCLES: 0

SEAR LIFT: .0095

TRIGGER PULL: 1. 5.25 2. 5.50 3. 5.25

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. _____

2. _____

3. _____

NO. OF CYCLES: 3560

SEAR LIFT: .0095

TRIGGER PULL: 1. 5.25 2. 5.25 3. 5.50

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. _____

2. _____

3. _____

NO. OF CYCLES: 1440

SEAR LIFT: .010

TRIGGER PULL: 1. 5.25 2. 5.00 3. 5.00

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. _____

2. _____

3. _____

NO. OF CYCLES: 2500

SEAR LIFT: .010

TRIGGER PULL: 1. 5.00 2. 5.25 3. 5.00

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. _____

2. _____

TEST TITLE: SFAR BELIE

RIFLE NO. 80235951

BOLT NO. _____

FIRE CONTROL NO. 1

WORK ORDER NO. _____

TOTAL: _____

SEAR ENGAGEMENT: .017

TOTAL: 3560

SEAR ENGAGEMENT: .0095

TOTAL: 5000

SEAR ENGAGEMENT: .0225

TOTAL: 7500

SEAR ENGAGEMENT: _____

TESTER: 17C
PREVIOUS CYCLES: 17500
DRY CYCLE SIMULATOR NO. 2
CYCLE RATE: U
LUBRICATION: WD 40

TEST TITLE: Lead Relief
RIFLE NO. A. 6409561
BOLT NO. _____
FIRE CONTROL NO. _____
WORK ORDER NO. _____

NO. OF CYCLES: 2500

TOTAL: 20000

SEAR LIFT: .0115

SEAR ENGAGEMENT: .021

TRIGGER PULL: 1. 5.25 2. 5.25 3. 5.25

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: 2500

TOTAL: 22500

SEAR LIFT: _____

SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. 5.25 2. 5.25 3. 5.25

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: 2500

TOTAL: 25000

SEAR LIFT: .011

SEAR ENGAGEMENT: .024

TRIGGER PULL: 1. 5.25 2. 5.00 3. 5.25

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: _____

TOTAL: _____

SEAR LIFT: _____

SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. _____ 2. _____ 3. _____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				

TESTER: AL

PREVIOUS CYCLES: 7500

DRY CYCLE SIMULATOR NO. 2

CYCLE RATE: _____

LUBRICATION: WD 40

NO. OF CYCLES: 2500

SEAR LIFT: .011

TRIGGER PULL: 1. 4.75 2. 5.00 3. 5.00

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.				
2.				
3.				

NO. OF CYCLES: 2500

SEAR LIFT: _____

TRIGGER PULL: 1. 5.00 2. 5.25 3. 5.00

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.				
2.				
3.				

NO. OF CYCLES: 2500

SEAR LIFT: .010

TRIGGER PULL: 1. 5.00 2. 5.00 3. 4.75

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.				
2.				
3.				

NO. OF CYCLES: 2500

SEAR LIFT: _____

TRIGGER PULL: 1. 5.00 2. 4.75 3. 4.75

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.				
2.				

TEST TITLE: SEAR RELIEF

RIFLE NO. 16409561

BOLT NO. _____

FIRE CONTROL NO. 2

WORK ORDER NO. _____

TOTAL: 10.000

SEAR ENGAGEMENT: .021

TOTAL: 1200

SEAR ENGAGEMENT: _____

TOTAL: 1500

SEAR ENGAGEMENT: .0215

TOTAL: 17500

SEAR ENGAGEMENT: _____

TESTER: AL

PREVIOUS CYCLES: _____

DRY CYCLE SIMULATOR NO. 2

CYCLE RATE: _____

LUBRICATION: WDU

NO. OF CYCLES: 0

SEAR LIFT: .010

TRIGGER PULL: 1. 5.80 2. 6.00 3. 5.50

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: 2500

TOTAL: 2500

SEAR LIFT: .010

SEAR ENGAGEMENT: .015

TRIGGER PULL: 1. 5.00 2. 5.00 3. 5.00

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: 5000

TOTAL: 5000

SEAR LIFT: .010

SEAR ENGAGEMENT: .020

TRIGGER PULL: 1. 5.00 2. 5.00 3. 5.00

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: 2500

TOTAL: 2500

SEAR LIFT: .010

SEAR ENGAGEMENT: .015

TRIGGER PULL: 1. 5.00 2. 5.25 3. 5.25

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				

REPORT NO. _____

TESTER: ALPREVIOUS CYCLES: 7500DRY CYCLE SIMULATOR NO. 1

CYCLE RATE: _____

LUBRICATION: DUPONTNO. OF CYCLES: 2500SEAR LIFT: 1010TRIGGER PULL: 1. 500 2. 525 3. 500

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. _____

2. _____

3. _____

NO. OF CYCLES: _____

SEAR LIFT: _____

TRIGGER PULL: 1. _____ 2. _____ 3. _____

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. _____

2. _____

3. _____

NO. OF CYCLES: _____

SEAR LIFT: _____

TRIGGER PULL: 1. _____ 2. _____ 3. _____

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. _____

2. _____

3. _____

NO. OF CYCLES: _____

SEAR LIFT: _____

TRIGGER PULL: 1. _____ 2. _____ 3. _____

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. _____

2. _____

PAGE NO. _____

TEST TITLE: Sear Relief

RIFLE NO. _____

BOLT NO. _____

FIRE CONTROL NO. 3

WORK ORDER NO. _____

TOTAL: 10000SEAR ENGAGEMENT: 1020Hagen
(3)

(508)

TESTER: AL

PREVIOUS CYCLES: 0

DRY CYCLE SIMULATOR NO. 1

CYCLE RATE: _____

LUBRICATION: DUPONT

NO. OF CYCLES: 0

SEAR LIFT: .007

TRIGGER PULL: 1. 5.25 2. 5.25 3. 5.50

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. _____

2. _____

3. _____

TEST TITLE: Lean Relief

RIFLE NO. _____

BOLT NO. _____

FIRE CONTROL NO. 3

WORK ORDER NO. _____

TOTAL: 0

SEAR ENGAGEMENT: .026

(5.6)

NO. OF CYCLES: 2500

TOTAL: 2500

SEAR LIFT: _____

SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. 5.25 2. 5.25 3. 5.25

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. _____

2. _____

3. _____

(4.7)

NO. OF CYCLES: 2500

TOTAL: 5000

SEAR LIFT: .010

SEAR ENGAGEMENT: .027

TRIGGER PULL: 1. 5.25 2. 5.25 3. 5.25

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. _____

2. _____

3. _____

(5.7)

NO. OF CYCLES: 2500

TOTAL: 7500

SEAR LIFT: _____

SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. 5.25 2. 5.25 3. 5.25

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. _____

2. _____

(5.7)

TESTER: AL

PREVIOUS CYCLES: 7500

DRY CYCLE SIMULATOR NO. 2

CYCLE RATE: _____

LUBRICATION: DUPONT

NO. OF CYCLES: 2520

SEAR LIFT: .0125

TRIGGER PULL: 1. 5.25 2. 5.25 3. 5.25

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. _____

2. _____

3. _____

NO. OF CYCLES: _____

TOTAL: _____

SEAR LIFT: _____

SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. _____ 2. _____ 3. _____

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. _____

2. _____

3. _____

NO. OF CYCLES: _____

TOTAL: _____

SEAR LIFT: _____

SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. _____ 2. _____ 3. _____

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. _____

2. _____

3. _____

NO. OF CYCLES: _____

TOTAL: _____

SEAR LIFT: _____

SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. _____ 2. _____ 3. _____

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. _____

2. _____

REPORT NO. _____
TESTER: AC
PREVIOUS CYCLES: 0
DRY CYCLE SIMULATOR NO. 2
CYCLE RATE: _____
LUBRICATION: DUPONT

TEST TITLE: Yankee Relief
RIFLE NO. _____
BOLT NO. _____
FIRE CONTROL NO. 4
WORK ORDER NO. _____

NO. OF CYCLES: 0

SEAR LIFT: 010

TRIGGER PULL: 1. 5.50 2. 5.52 3. 5.25

(5.4)

OBSERVATIONS: SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____

NO. OF CYCLES: 2500

SEAR LIFT: _____

TRIGGER PULL: 1. 5.25 2. 5.25 3. 5.25

(5.25)

OBSERVATIONS: SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____

NO. OF CYCLES: 2500

SEAR LIFT: 010

TRIGGER PULL: 1. 5.00 2. 5.00 3. 4.75

(4.9)

OBSERVATIONS: SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____

NO. OF CYCLES: 2500

SEAR LIFT: _____

TRIGGER PULL: 1. 5.25 2. 5.25 3. 5.25

(5.25)

OBSERVATIONS: SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1. _____	_____	_____	_____
2. _____	_____	_____	_____

TESTER: NL

TEST TITLE: Sam Kiley

PREVIOUS CYCLES: 0

RIFLE NO. _____

TRIGGER CYCLE SIMULATOR NO. 1

BOLT NO. _____

CYCLE RATE: _____

FIRE CONTROL NO. 5

LUBRICATION: DUPONT

WORK ORDER NO. _____

NO. OF CYCLES: 0

TOTAL: _____

SEAR LIFT: .0105

SEAR ENGAGEMENT: .0215

TRIGGER PULL: 1. 5.75 2. 5.75 3. 5.75 (5.75)

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: 2500

TOTAL: 2500

SEAR LIFT: _____

SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. 5.75 2. 5.75 3. 6.00 (5.83)

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: 2500

TOTAL: 5000

SEAR LIFT: .010

SEAR ENGAGEMENT: .020

TRIGGER PULL: 1. 5.75 2. 5.75 3. 5.75 (5.75)

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: 2500

TOTAL: 7500

SEAR LIFT: _____

SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. 6.25 2. 6.00 3. 6.00 (6.09)

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	<u>5.75</u>	<u>6.00</u>	<u>6.00</u>	<u>10.000</u> (6.91)
2.				

Low W.L. .012 10.000 0.020

DON'T SAY IT-WRITE IT

To _____

Date _____

From _____

Simulator #1 control #6

Firing pin cam broke on cycle 23,712.

"SAFETY RULES ARE PERFECT TOOLS"

REPORT NO. _____
TESTER: AL
PREVIOUS CYCLES: 0
DRY CYCLE SIMULATOR NO. 2
CYCLE RATE: _____
LUBRICATION: DUPONT

TEST TITLE: Lean Reliability
RIFLE NO. _____
BOLT NO. _____
FIRE CONTROL NO. 6
WORK ORDER NO. _____

NO. OF CYCLES: 0
SEAR LIFT: .0125
TRIGGER PULL: 1. 5.75 2. 5.50 3. 5.50

TOTAL: 8
SEAR ENGAGEMENT: .0205

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: 2500
SEAR LIFT: _____
TRIGGER PULL: 1. 5.50 2. 5.50 3. 5.50

TOTAL: 2500
SEAR ENGAGEMENT: _____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: 2500
SEAR LIFT: .018
TRIGGER PULL: 1. 5.25 2. 5.25 3. 5.25

TOTAL: 5000
SEAR ENGAGEMENT: .018

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: 2500
SEAR LIFT: _____
TRIGGER PULL: 1. 5.50 2. 5.50 3. 5.50

TOTAL: 7500
SEAR ENGAGEMENT: _____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.	<u>5.25</u>	<u>5.25</u>	<u>5.25</u>	<u>10,000 C, EC</u>
2.				
3.				

REPORT NO. _____

DRY CYCLE SUMMARYPAGE NO. 1TESTER: Angelo

TEST TITLE: _____

PREVIOUS CYCLES: 10 000

RIFLE NO. _____

- DRY CYCLE SIMULATOR NO. #1

BOLT NO. _____

CYCLE RATE: _____

FIRE CONTROL NO. #6LUBRICATION: Dupont

WORK ORDER NO. _____

NO. OF CYCLES: 2500TOTAL: 12500

SEAR LIFT: _____

SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. 5.75 2. 5.50 3. 5.75 (56)

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: 2500TOTAL: 15000SEAR LIFT: .0125SEAR ENGAGEMENT: .0235TRIGGER PULL: 1. 5.75 2. 5.50 3. 5.75 (56)

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: 2500TOTAL: 17500

SEAR LIFT: _____

SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. 6.0 2. 7.0 3. 5.5 (61)

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: 2500TOTAL: 20000SEAR LIFT: .0115SEAR ENGAGEMENT: .0250TRIGGER PULL: 1. 5.50 2. 5.50 3. 5.50 (55)

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				

REPORT NO. _____

DRI CYCLES SUPPLY

PAGE NO. _____

TESTER: Angele

TEST TITLE: _____

PREVIOUS CYCLES: 20,000

RIFLE NO. _____

DRY CYCLE SIMULATOR NO. 1

BOLT NO. _____

CYCLE RATE: _____

FIRE CONTROL NO. 6LUBRICATION: DUPONT

WORK ORDER NO. _____

NO. OF CYCLES: 2500TOTAL: 22500

SEAR LIFT: _____

SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. 5.25 2. 5.25 3. 5.0 (5.1)

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: 2500TOTAL: 25000SEAR LIFT: .0125SEAR ENGAGEMENT: .0250TRIGGER PULL: 1. 5.50 2. 5.50 3. 5.50 (5.5)

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: _____

TOTAL: _____

SEAR LIFT: _____

SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. _____ 2. _____ 3. _____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: _____

TOTAL: _____

SEAR LIFT: _____

SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. _____ 2. _____ 3. _____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				

REPORT NO. _____

DRY CYCLE SUMMARY

PAGE NO. _____

TESTER: _____

TEST TITLE: Live Reloading

PREVIOUS CYCLES: _____

RIFLE NO. _____

DRY CYCLE SIMULATOR NO. 1

BOLT NO. _____

CYCLE RATE: _____

FIRE CONTROL NO. 7LUBRICATION: DUPONT

WORK ORDER NO. _____

NO. OF CYCLES: 0TOTAL: 2SEAR LIFT: .010SEAR ENGAGEMENT: .0205TRIGGER PULL: 1. 5.75 2. 5.75 3. 5.50

(564)

OBSERVATIONS: SAFE ON FORCE SAFE OFF FORCE BOLT LIFT-COCKED BOLT LIFT-FIRED

1. _____

2. _____

3. _____

NO. OF CYCLES: 2500TOTAL: 2500

SEAR LIFT: _____

SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. 5.75 2. 6.12 3. 6.50

(5.58)

OBSERVATIONS: SAFE ON FORCE SAFE OFF FORCE BOLT LIFT-COCKED BOLT LIFT-FIRED

1. _____

2. _____

3. _____

NO. OF CYCLES: 2500TOTAL: 5000SEAR LIFT: .0135SEAR ENGAGEMENT: .015TRIGGER PULL: 1. 5.50 2. 5.75 3. 5.50

(5.58)

OBSERVATIONS: SAFE ON FORCE SAFE OFF FORCE BOLT LIFT-COCKED BOLT LIFT-FIRED

1. _____

2. _____

3. _____

NO. OF CYCLES: 2500TOTAL: 7500

SEAR LIFT: _____

SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. 5.75 2. 5.75 3. 5.75

(5.75)

OBSERVATIONS: SAFE ON FORCE SAFE OFF FORCE BOLT LIFT-COCKED BOLT LIFT-FIRED

1. 5.50 5.50 5.75 (5.58) 10.000 Cycles

2. _____

TESTER: Angele

PREVIOUS CYCLES: 10000

DRY CYCLE SIMULATOR NO. 2

CYCLE RATE: _____

LUBRICATION: DuPont

NO. OF CYCLES: 2500

SEAR LIFT: _____

TRIGGER PULL: 1. 5.75 2. 5.75 3. 5.50 (5.6)

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: 2500

SEAR LIFT: .0105

TRIGGER PULL: 1. 5.75 2. 5.75 3. 5.50 (5.6)

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: 2500

SEAR LIFT: _____

TRIGGER PULL: 1. 5.75 2. 5.50 3. 5.50 (5.6)

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: 2500

SEAR LIFT: .085

TRIGGER PULL: 1. 6.0 2. 5.5 3. 5.5 (5.6)

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				

TEST TITLE: _____

RIFLE NO. _____

BOLT NO. _____

FIRE CONTROL NO. 7

WORK ORDER NO. _____

TOTAL: 12500

SEAR ENGAGEMENT: _____

TOTAL: 15000

SEAR ENGAGEMENT: .0205

TOTAL: 17500

SEAR ENGAGEMENT: _____

TOTAL: 20000

SEAR ENGAGEMENT: .0250

REPORT NO. _____

DRY CYCLE SUMMARYPAGE NO. 1TESTER: Asolo

TEST TITLE: _____

PREVIOUS CYCLES: 20000

RIFLE NO. _____

DRY CYCLE SIMULATOR NO. 2

BOLT NO. _____

CYCLE RATE: _____

FIRE CONTROL NO. F7LUBRICATION: Dupont

WORK ORDER NO. _____

NO. OF CYCLES: 2500TOTAL: 22500

SEAR LIFT: _____

SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. 6.0 2. 5.75 3. 5.75 (5.8)

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: 2500TOTAL: 25000SEAR LIFT: .008SEAR ENGAGEMENT: .0235TRIGGER PULL: 1. 5.50 2. 5.75 3. 5.50 (5.5)

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: _____

TOTAL: _____

SEAR LIFT: _____

SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. _____ 2. _____ 3. _____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				
3.				

NO. OF CYCLES: _____

TOTAL: _____

SEAR LIFT: _____

SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. _____ 2. _____ 3. _____

OBSERVATIONS:	SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1.				
2.				

TESTER: _____

PREVIOUS CYCLES: _____

DRY CYCLE SIMULATOR NO. 2

CYCLE RATE: _____

LUBRICATION: DUPONT

NO. OF CYCLES: 0

SEAR LIFT: 10 115

TRIGGER PULL: 1. 5.50 2. 5.71 3. 5.50

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. _____

2. _____

3. _____

NO. OF CYCLES: 2500

SEAR LIFT: _____

TRIGGER PULL: 1. 5.50 2. 5.75 3. 5.50

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. _____

2. _____

3. _____

NO. OF CYCLES: 2500

SEAR LIFT: 0100

TRIGGER PULL: 1. 5.50 2. 5.50 3. 5.20

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. _____

2. _____

3. _____

NO. OF CYCLES: 2500

SEAR LIFT: _____

TRIGGER PULL: 1. 5.20 2. 5.25 3. 5.20

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. 5.25

2. _____

3. _____

TEST TITLE: near point

RIFLE NO. _____

BOLT NO. _____

FIRE CONTROL NO. 8

WORK ORDER NO. _____

TOTAL: 0

SEAR ENGAGEMENT: 1016

TOTAL: 2500

SEAR ENGAGEMENT: _____

TOTAL: 5000

SEAR ENGAGEMENT: 1020

TOTAL: 7500

SEAR ENGAGEMENT: _____

BOLT LIFT-FIRED

1000

REPORT NO. _____

TESTER: _____

PREVIOUS CYCLES: _____

DRY CYCLE SIMULATOR NO. 3

CYCLE RATE: _____

LUBRICATION: DUPONT

NO. OF CYCLES: 0

SEAR LIFT: .012

TRIGGER PULL: 1. 6.25 2. 6.25 3. 6.25

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. _____

2. _____

3. _____

NO. OF CYCLES: 2500

TOTAL: 2500

SEAR LIFT: _____

SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. 6.00 2. 6.00 3. 5.75

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. _____

2. _____

3. _____

NO. OF CYCLES: 2500

TOTAL: 5000

SEAR LIFT: .0135

SEAR ENGAGEMENT: .022

TRIGGER PULL: 1. 5.75 2. 5.75 3. 5.75

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. _____

2. _____

3. _____

NO. OF CYCLES: 2120

TOTAL: 7500

SEAR LIFT: _____

SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. 6.00 2. 6.00 3. 5.75

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. 6.25 6.00 6.25

2. _____

Notes:

10000 cycles .0195

REPORT NO. _____

PAGE NO. _____

TESTER: 126

TEST TITLE: _____

PREVIOUS CYCLES: 0

RIFLE NO. _____

RY CYCLE SIMULATOR NO. 1

BOLT NO. _____

CYCLE RATE: _____

FIRE CONTROL NO. 10LUBRICATION: WD40

WORK ORDER NO. _____

NO. OF CYCLES: 0TOTAL: 0SEAR LIFT: .012SEAR ENGAGEMENT: .018TRIGGER PULL: 1. 5.75 2. 5.75 3. 5.75

OBSERVATIONS: SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____

NO. OF CYCLES: 2500TOTAL: 2500

SEAR LIFT: _____

SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. 5.75 2. 5.75 3. 5.75

OBSERVATIONS: SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____

NO. OF CYCLES: 2500TOTAL: 5000SEAR LIFT: .0715SEAR ENGAGEMENT: .021TRIGGER PULL: 1. 5.75 2. 5.75 3. 5.75

OBSERVATIONS: SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____

NO. OF CYCLES: 25TOTAL: 7500

SEAR LIFT: _____

SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. 5.75 2. 5.75 3. 5.75

OBSERVATIONS: SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1. <u>5.75-5.75-6.75</u>	_____	_____	_____
2. <u>1</u>	_____	_____	_____

TESTER: AL

PREVIOUS CYCLES: _____

RY CYCLE SIMULATOR NO. 2

CYCLE RATE: _____

LUBRICATION: W D 40

NO. OF CYCLES: 2

SEAR LIFT: .0125

TRIGGER PULL: 1. 6.00 2. 5.75 3. 5.75

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 2500

SEAR LIFT: _____

TRIGGER PULL: 1. 5.50 2. 5.75 3. 5.75

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 2500

SEAR LIFT: .0125

TRIGGER PULL: 1. 5.75 2. 5.75 3. 5.75

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 2500

SEAR LIFT: _____

TRIGGER PULL: 1. 5.50 2. 5.75 3. 5.75

OBSERVATIONS: ~~SAFE ON FORCE~~

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

NO. OF CYCLES: 2500

SEAR LIFT: _____

TRIGGER PULL: 1. 5.50 2. 5.75 3. 5.75

OBSERVATIONS: ~~SAFE ON FORCE~~

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

TEST TITLE: _____

RIFLE NO. _____

BOLT NO. _____

FIRE CONTROL NO. 11

WORK ORDER NO. _____

TOTAL: 0

SEAR ENGAGEMENT: .0100

TOTAL: 2500

SEAR ENGAGEMENT: _____

TOTAL: 5200

SEAR ENGAGEMENT: .0125

TOTAL: 7500

SEAR ENGAGEMENT: _____

TOTAL: 10.00

TESTER: PL

PREVIOUS CYCLES: 0

DRY CYCLE SIMULATOR NO. 3

CYCLE RATE: _____

LUBRICATION: WD40

NO. OF CYCLES: 0

SEAR LIFT: .0125

TRIGGER PULL: 1. 6.00 2. 6.00 3. 5.75

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 2500

TOTAL: 2500

SEAR LIFT: _____

SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. 6.00 2. 6.00 3. 5.75

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 2500

TOTAL: 5000

SEAR LIFT: .0115

SEAR ENGAGEMENT: .0185

TRIGGER PULL: 1. 6.00 2. 6.00 3. 5.75

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

3.

NO. OF CYCLES: 2500

TOTAL: 7500

SEAR LIFT: 0

SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. 6.00 2. 5.75 3. 6.00

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

SEAR LIFT: .014

SEAR ENGAGEMENT: .020

TRIGGER PULL: 1. 5.75 2. 5.75 3. 6.00

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1.

2.

TESTER: _____

TEST TITLE: _____

PREVIOUS CYCLES: 8

RIFLE NO. _____

DRY CYCLE SIMULATOR NO. 4

BOLT NO. 13

CLE RATE: _____

FIRE CONTROL NO. _____

LUBRICATION: W 1340

WORK ORDER NO. _____

NO. OF CYCLES: 0

TOTAL: 0

SEAR LIFT: .013

SEAR ENGAGEMENT: .009

TRIGGER PULL: 1. 5.75 2. 5.75 3. 5.75

(5.75)

OBSERVATIONS: SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____

NO. OF CYCLES: 2500

TOTAL: 2500

SEAR LIFT: _____

SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. 5.25 2. 5.25 3. 5.25

(5.25)

OBSERVATIONS: SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____

NO. OF CYCLES: 2500

TOTAL: 5000

SEAR LIFT: .011

SEAR ENGAGEMENT: .0165

TRIGGER PULL: 1. 5.50 2. 5.50 3. 5.75

(5.50)

OBSERVATIONS: SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____

NO. OF CYCLES: 2500

TOTAL: 7500

SEAR LIFT: _____

SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. 5.50 2. 5.50 3. 5.10

(5.50)

OBSERVATIONS: SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1. <u>5.50-5.50</u>	<u>5.10</u>	(5.50)	1000 Cycles
2. _____	_____	_____	_____
3. _____	_____	_____	_____

1000 Cycles

TESTER: _____

TEST TITLE: _____

PREVIOUS CYCLES: 8

RIFLE NO. _____

DRY CYCLE SIMULATOR NO. 4

BOLT NO. 13

CYCLE RATE: _____

FIRE CONTROL NO. _____

LUBRICATION: W 1340

WORK ORDER NO. _____

NO. OF CYCLES: 0

TOTAL: 0

SEAR LIFT: .1013

SEAR ENGAGEMENT: .009

TRIGGER PULL: 1. 5.75 2. 5.75 3. 5.75

(5.75)

OBSERVATIONS: SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____

NO. OF CYCLES: 2500

TOTAL: 2500

SEAR LIFT: _____

SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. 5.25 2. 5.25 3. 5.25

(5.25)

OBSERVATIONS: SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____

NO. OF CYCLES: 2500

TOTAL: 5000

SEAR LIFT: .011

SEAR ENGAGEMENT: .1165

TRIGGER PULL: 1. 5.50 2. 5.50 3. 5.50

(5.50)

OBSERVATIONS: SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____

NO. OF CYCLES: 2500

TOTAL: 7500

SEAR LIFT: _____

SEAR ENGAGEMENT: _____

TRIGGER PULL: 1. 5.50 2. 5.50 3. 5.50

(5.50)

OBSERVATIONS: SAFE ON FORCE	SAFE OFF FORCE	BOLT LIFT-COCKED	BOLT LIFT-FIRED
1. <u>5.50-5.50</u>	<u>5.50</u>	(5.50)	<u>7500 CYCLES</u> <u>10000</u>
2. <u>.0125</u>	_____	_____	_____
3. <u>.0125</u>	_____	_____	_____

TESTER: ALPREVIOUS CYCLES: 0DRY CYCLE SIMULATOR NO. 3

CYCLE RATE: _____

LUBRICATION: CRCNO. OF CYCLES: 0SEAR LIFT: .010TRIGGER PULL: 1. 4.00 2. 4.00 3. 4.25

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. _____

2. _____

3. _____

NO. OF CYCLES: 250

SEAR LIFT: _____

TRIGGER PULL: 1. 5.75 2. 5.75 3. 6.00

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. _____

2. _____

3. _____

NO. OF CYCLES: 250SEAR LIFT: .013TRIGGER PULL: 1. 6.00 2. 6.25 3. 6.00

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

1. _____

2. _____

3. _____

NO. OF CYCLES: 250

SEAR LIFT: _____

TRIGGER PULL: 1. 5.75 2. 5.75 3. 6.25

OBSERVATIONS: SAFE ON FORCE

SAFE OFF FORCE

BOLT LIFT-COCKED

BOLT LIFT-FIRED

Gory Pull 1. 6.25-6.00-6.00

2. _____

3. 6.125TEST TITLE: New Relief

RIFLE NO. _____

BOLT NO. _____

FIRE CONTROL NO. 14

WORK ORDER NO. _____

TOTAL: 0SEAR ENGAGEMENT: .012TOTAL: 2500

SEAR ENGAGEMENT: _____

TOTAL: 5000SEAR ENGAGEMENT: .026TOTAL: 7520

SEAR ENGAGEMENT: _____

TESTER: AL

PREVIOUS CYCLES: 0

DRY CYCLE SIMULATOR NO. 4

CYCLE RATE:

LUBRICATION: CRC

NO. OF CYCLES: 0

SEAR LIFT: .012

TRIGGER PULL: 1. 6.50 2. 6.50 3. 6.75

OBSERVATIONS: SAFE ON FORCE SAFE OFF FORCE BOLT LIFT-COCKED BOLT LIFT-FIRED

1.			
2.			
3.			

NO. OF CYCLES: 2500

SEAR LIFT:

TRIGGER PULL: 1. 6.50 2. 6.50 3. 6.75

OBSERVATIONS: SAFE ON FORCE SAFE OFF FORCE BOLT LIFT-COCKED BOLT LIFT-FIRED

1.			
2.			
3.			

NO. OF CYCLES: 2500

SEAR LIFT: .0115

TRIGGER PULL: 1. 6.25 2. 6.50 3. 6.50

OBSERVATIONS: SAFE ON FORCE SAFE OFF FORCE BOLT LIFT-COCKED BOLT LIFT-FIRED

1.			
2.			
3.			

NO. OF CYCLES: 2500

SEAR LIFT:

TRIGGER PULL: 1. 7.25 2. 7.25 3. 7.00

OBSERVATIONS: SAFE ON FORCE SAFE OFF FORCE BOLT LIFT-COCKED BOLT LIFT-FIRED

TP 6.75-6.75-6.75

6.75

10.000

Sear lift .0125

Sear lift .0125

TEST TITLE: Lean Kiln

RIFLE NO.

BOLT NO.

FIRE CONTROL NO. 15

WORK ORDER NO.

TOTAL: 0

SEAR ENGAGEMENT: .015

TOTAL: 2500

SEAR ENGAGEMENT:

TOTAL: 5000

SEAR ENGAGEMENT: .0205

TOTAL: 7500

SEAR ENGAGEMENT: