

TEST AND MEASUREMENT LAB TEST RESULTS

REQUESTER: F.E. MARTIN TESTER: J. SELAN DATE: 6/27/89
REPORT NO: SUBSEQUENT TO 891081 WORK ORDER NO.: 481152
WRITTEN BY: J. SELAN
TEST TYPE: DESIGN ACCEPTANCE

FIREARM STATUS: MODEL: 7400 CALIBER: 30-06
BARREL TYPE: STANDARD PROOFED: YES X NO

REASON FOR TEST:

TO DETERMINE AFFECT OF "REM-CLEAN" WHEN USED TO REGULARLY CLEAN RIFLES (FIREARMS)

EQUIPMENT REQUIRED:

(2) M/7400 #8609055 & #8609155
CLEANING RODS, BRUSHES, PATCHES, REM-CLEAN, HOPPE'S SOLVENT, SHOOTING JACK, GRADUATED HEAD SPACE GAGES, AIR GAGES (CUSTOM SHOP), BORE & GROOVE
AMMO: REMINGTON 180 GR. SP "CORE-LOKT" (LOTS K31CC8625 & K01KB6825)
R30064 - 150 GR. PSP CORE-LOKT (LOTS H26TB3113 & H26TB5607) R30062

TEST PROCEDURE:

-PROOF RIFLES
-HEAD SPACE BEFORE & AFTER PROOF (HEAD SPACE REQUIRED AT MIN. +.007)
-AIR GAGE BBLs AT START - CUSTOM SHOP
-SHOOT 20 ROUNDS - CLEAN BORE AND CHAMBER WITH "REM-CLEAN" (PER ATTACHED PROCEDURE)
-WITH OTHER RIFLE - SHOOT 20 ROUNDS CLEAN BORE & CHAMBER WITH HOPPE'S #9 SOLVENT (PER ATTACHED PROCEDURE)
-CHECK HEAD SPACE EVERY 100 ROUNDS - BOTH RIFLES
-CONTINUE EACH TO 1000 ROUND LEVEL
-AIR GAGE BBLs AT COMPLETION OF TEST

TEST RESULTS:

ATTACHED SHEETS ENCLOSED TO CONFIRM TEST RESULTS.

NOTE: WHEN CLEANING CHAMBER WITH "REM-CLEAN" - THE CHAMBER HAD TO BE CLEANED THOROUGHLY, OR A "DON'T EXTRACT" WOULD OCCUR, DUE TO "REM-CLEAN" LEFT IN THE CHAMBER AREA.

- AS NOTED ON TEST SHEET 40 MALFUNCTIONS OCCURRED (DX'S)
- RIM OF CARTRIDGE WOULD HAVE PIECE TORN COMPLETELY OUT

M-7400

SER. # 8609155

30/06

HOPPE'S - CONTROL.

<u>PIE GAGE</u>	<u>BORE</u>	<u>GROOVE</u>
START	CHA. - 2997	CHA. - 3088
	MID - 2988	MID - 3081
	MUZZLE - 2994	MUZZLE - 3085

<u>PIE GAGE</u>	<u>BORE</u>	<u>GROOVE</u>
100 ROUNDS	CHA. 3009 + .0012	CHA. 3090 + .0002
	MID. 3009 + .0021	MID. 3083 + .0002
	MUZZLE - 3003 + .0009	MUZZLE - 3086 + .0001

4.5. START MIN. + .006

FTER. PROOF MIN. + .007

100 ROUNDS. MIN. + .011

00 " MIN. + .011

200 " MIN. + .011

400 " MIN. + .011

600 " MIN. + .011

800 " MIN. + .011

1000 " MIN. + .011

1200 " MIN. + .011

1400 " MIN. + .011

1600 " MIN. + .011

M-7400 SER # 8609056 30/06.

REM CLEAN.

AIR GAGE.	BORE	GROOVE.
START.	CHA - 2998	CHA - 3087
	MID - 2995	MID - 3082
	MUZZLE - 2993	MUZZLE - 3085

AIR GAGE	BORE	GROOVE		
1000 ROUNDS	CHA 3010	+ .0012	CHA 3095	+ .0008
	MID .3011	+ .0016	MID - 3095	+ .0013
	MUZZLE - 3006	+ .0013	MUZZLE - 3089	+ .0004

H.S. START MIN. + .007

AFTER PRIME MIN. + .007

100	ROUNDS	MIN. + .011
200	"	MIN. + .011
300	"	MIN. + .012
400	"	MIN. + .012
500	"	MIN. + .013
600	"	MIN. + .013
700	"	MIN. + .013
800	"	MIN. + .013
900	"	MIN. + .014
1000	"	MAX