

TITLE OF PROJECT: P.M. SEAR ENDURANCE TEST

SUBJECT:

COMPUTER

20 MLC 6/15

1966

1) GUN TESTED - M700 with new P.M. sars

A) Trigger pull at start of test

- 1 - 4.50
- 2 - 4.50
- 3 - 4.50 Ave.
- 4 - 4.75
- 5 - 4.75

20000 - Firing pins damaged during the 20000 cycles. Sear showed negligible wear after inspection on optical comparator. New firing pin assembly.

40000 - Sear ok

61000 - Sear condition ok - little change over 40000 cycles - firing pins ok

- Trigger pull (ave of 5)
- 1 - 3.75
- 2 - 3.75
- 3 - 3.75
- 4 - 3.50
- 5 - 3.75

82000 - Broken firing pins tip wear a period of 40000 cycles

100000 - Sear ok