

TEST NO. 5

Gun No. 2039
(26" I.C. Ebl.)

Dial-a-matic
Carrier Latch
Mag. Flipper

Power Cone
Carrier Latch
Mag. Flipper

(300 rds. Full
compliment of
ammunition)
3/21/56

(175 rds. Full
compliment of
ammunition)
4/6/56

Malfunction

Don't blow back
Fail to eject
Fail to trip carrier latch

Totals
% Malfunction Rate

6
1

7
2.3%

2
2

4
2.3%

CONCLUSIONS

The results of the above testing we feel indicates the following:

1. The "Power Cone" automatic load selector does not adversely affect the functioning of the ADL Sportsman-58 except on magnum loads.
2. The test to date indicates that with a 26" barrel the Power Cone will handle light loads as well or better than the Dial-a-matic.
3. The Power Cone is as good or better than the Dial-a-matic. See Tests 4 and 5.

REMARKS

Additional testing of Power Cone equipped Sportsman-58 at this time seems unjustifiable particularly since Sales had indicated that no increase in sales volume can be forecast for a current Sportsman-58 equipped with a Power Cone. Also the unit savings of a Power Cone automatic load selector alone versus the current manual Dial-a-matic approximates only an estimated \$.06 savings per gun. This is equal to an estimated annual savings of approximately \$3600 based upon an estimated volume of 60,000 Sportsman-58.

MECHANICAL DEVELOPMENT LABORATORY

H. L. Hamelster
H. L. Hamelster
Development Supervisor

MLH:B
Attach.