

CC: S. M. Alvis
J. K. Hamil
G. R. Melick

Ilion, New York
October 5, 1956

P. H. BURDETT
BRIDGEPORT, CONN.

POWER CONE DEVELOPMENT

As requested by J. K. Hamil in a letter dated September 20, 1956 (copy attached) we are submitting to you for record purposes the test results to date of "Power Cone" equipped Sportsman-58 guns as follows:

TEST NO. 1 (FOULING TEST) - DIAL-A-MATIC VS. POWER CONE

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	<u>Rounds</u>	<u>Ammunition</u>
<u>Gun #2026</u> (30" F.C.Bbl.) Dial-a-matic cap	1000 rds.	Win. 2-3/4 Trap
Carrier release	(1/26/56)	
Magazine flipper		

Malfunctions:

1 failure to eject
3 " " feed up

.4% MALFUNCTION RATE

<u>Gun #2103</u> (30" F.C.Bbl.) "Power Cone" cap	1000 rds.	Win. 2-3/4 Trap
Carrier release	(1/26/56)	
Magazine flipper		

Malfunctions:

1 failure to eject
1 stem top chamber
1 failure to fire

.3% MALFUNCTION RATE

Both power pistons of the above guns were examined after shooting the above ammunition under actual field skeet conditions by

S. M. Alvis	E. Sapp
C. J. Theriault	E. W. Hailston
W. E. Leek	H. L. Hamsister
R. P. Kelly	

Both pistons were equally bad from a fouling standpoint. It was questionable whether many more rounds could have been fired in either gun without cleaning pistons and magazine tubes.

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