1 OCT.'91

[ The following two tests where conducted to determine the effect of applying Iosso Cleaner to a Model 700 Fire Control. In Test #1, trigger pull was measured on 5 rifles and the average of 5 pulls for each fire control was recorded. Iosso was then applied to the inside of the mechanism and trigger pull measurements were again taken. Finally, the fire controls were cleaned in Stodard Solvent and the trigger pulls again were measured. No statistically significant differences were detected in the test data.

The second test was conducted to determine the effect of leaving the Iosso Cleaner inside the fire control mechanism for a one week period and measuring the trigger pull. After measurement the fire controls were cleaned in Stodard Solvent and re-measured for trigger pull. Again, no significant differences were found between before and after Iosso Cleaner application.

TEST #1:

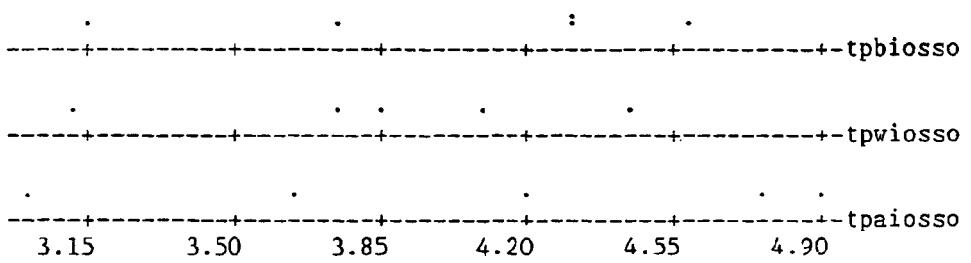
Note 'tpbiosso' - means trigger pull before Iosso was used.
Note 'tpwiosso' - means trigger pull with Iosso still in the Fire Control.
Note 'tpwiosso' - means trigger pull without Iosso (after being cleaned in Stodard Solvent

BASIC STATISTICS

| | N | MEAN | MEDIAN | TRMEAN | STDEV | SEMEAN |
|---|---|---|---|---|---|---|
| tpbiosso | 5 | 4.020 | 4.300 | 4.020 | 0.575 | 0.257 |
| tpwiosso | 5 | 3.850 | 3.850 | 3.850 | 0.499 | 0.223 |
| tpaiosso | 5 | 4.100 | 4.200 | 4.100 | 0.788 | 0.352 |

| | MIN | MAX | Q1 | Q3 |
|---|---|---|---|---|
| tpbiosso | 3.150 | 4.600 | 3.450 | 4.450 |
| tpwiosso | 3.100 | 4.450 | 3.425 | 4.275 |
| tpaiosso | 3.000 | 4.900 | 3.325 | 4.825 |

DOTPLOT OF THE 3 CONDITIONS



ANALYSIS OF VARIANCE

| SOURCE | DF | SS | MS | F | p |
|---|---|---|---|---|---|
| FACTOR | 2 | 0.163 | 0.082 | 0.20 | 0.819 |
| ERROR | 12 | 4.803 | 0.400 | | |
| TOTAL | 14 | 4.966 | | | |

| LEVEL | N | MEAN | STDEV |
|---|---|---|---|
| tpbiosso | 5 | 4.0200 | 0.5751 |
| tpwiosso | 5 | 3.8500 | 0.4987 |
| tpaiosso | 5 | 4.1000 | 0.7882 |

POOLED STDEV = 0.6327

INDIVIDUAL 95 PCT CI'S FOR MEAN
BASED ON POOLED STDEV

```
------+---------+---------+---------+
   (-----------*-----------)
 (-----------*-----------)
      (-----------*-----------)
------+---------+---------+---------+
   3.50      4.00      4.50      5.00
```

CONCLUSION: There is not a statistically significant difference between the three conditions.

TEST #2:

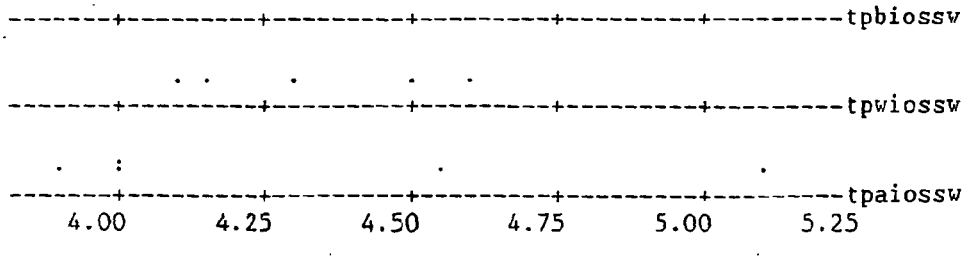
Note 'tpbiossw' - means trigger pull with Iosso prior to week's application.
Note 'tpwiossw' - means trigger pull with Iosso after one week's application.
Note 'tpaiossw' - means trigger pull with Iosso removed by Stodard Solvent after setting one week with Iosso applied to the Fire Control.'

BASIC STATISTICS

| | N | MEAN | MEDIAN | TRMEAN | STDEV | SEMEAN |
|---|---|---|---|---|---|---|
| tpbiossw | 5 | 4.390 | 4.250 | 4.390 | 0.336 | 0.150 |
| tpwiossw | 5 | 4.3300 | 4.3000 | 4.3300 | 0.2168 | 0.0970 |
| tpaiossw | 5 | 4.310 | 4.000 | 4.310 | 0.510 | 0.228 |

| | MIN | MAX | Q1 | Q3 |
|---|---|---|---|---|
| tpbiossw | 4.150 | 4.950 | 4.150 | 4.700 |
| tpwiossw | 4.1000 | 4.6000 | 4.1250 | 4.5500 |
| tpaiossw | 3.900 | 5.100 | 3.950 | 4.825 |

DOTPLOT OF THE 3 CONDITIONS




TRIGGER PULL (in lbs.-force)

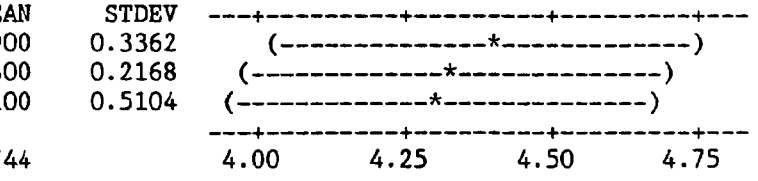
ANALYSIS OF VARIANCE

| SOURCE | DF | SS | MS | F | p |
|---|---|---|---|---|---|
| FACTOR | 2 | 0.017 | 0.009 | 0.06 | 0.940 |
| ERROR | 12 | 1.682 | 0.140 | | |
| TOTAL | 14 | 1.699 | | | |

| LEVEL | N | MEAN | STDEV |
|---|---|---|---|
| tpbiossw | 5 | 4.3900 | 0.3362 |
| tpwiossw | 5 | 4.3300 | 0.2168 |
| tpaiossw | 5 | 4.3100 | 0.5104 |

POOLED STDEV = 0.3744

INDIVIDUAL 95 PCT CI'S FOR MEAN
BASED ON POOLED STDEV




Conclusion: There is no statistically significant difference between the three conditions tested. JRS]