

G-6416 1733  
Raph head  
E 6413460

Arms Services Repair & Estimate System

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: **RE00101657** Serial: E6413460 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 9/28/2005 2:45:18 PM

Verify Repair

**Address Information**

Customer: ☐ Received From: ☒ Return To: ☐ Received From: ☐

Name: **TRANSPORTATION DIV DFEL** **TRANSPORTATION DIV DFEL**

Address 1: **BLDG 1836** **BLDG 1836**

Address 2: **6759 MITCHELL AVE** **6759 MITCHELL AVE** PO Box: **PO Box**

City: **FORT BENNING** **FORT BENNING**

State: **GA** Zip Code: **31905** Country: **US** State: **GA** Zip Code: **31905** Country: **US**

FFL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information: Phone: **N/A** Fax: Email: Comments:

Received Condition: Fair Condition Notes: CSR Notes:

Accessories Received:

| Code | Desc                  | Qty |
|------|-----------------------|-----|
| A007 | With Stud             | 3   |
| A010 | Hard Case             | 1   |
| A016 | Scope Rings           | 2   |
| A017 | Scope Base            | 1   |
| A026 | Scope                 | 1   |
| A057 | Fit and Rear Sgt Base | 1   |

Repair Search Refresh Close

9/28/2005 3:53 PM CAPS NUM INS SCPL

start 3 4 2

66461738 (New)

Serial Number: **E6413460**

Model: **M24 SWS**

**RE00101657**

# INITIAL & CYCLE TESTS

2.50 LBS (plus or minus 0.50 LBS)

3.00 LBS (plus or minus 0.75 LBS)

4.00 LBS (plus or minus 1.00 LBS)

DATE 10-24-05

TESTER R.R.

|         | 2.50 LBS<br>INITIAL | 2.50 LBS AFTER<br>50 CYCLES | FINAL TEST & TO RESET<br>2.50 LBS |       | COMMENTS |
|---------|---------------------|-----------------------------|-----------------------------------|-------|----------|
| PULL #1 | 2.59                | 2.40                        |                                   | 2.38  |          |
| PULL #2 | 2.51                | 2.38                        |                                   | 2.34  |          |
| PULL #3 | 2.38                | 2.32                        |                                   | 2.35  |          |
| PULL #4 | 2.36                | 2.31                        |                                   | 2.42  |          |
| PULL #5 | 2.38                | 2.30                        |                                   | 2.33  |          |
| TOTAL   | 12.22               | 11.71                       |                                   | 11.82 |          |
| AVERAGE | 2.44                | 2.34                        |                                   | 2.36  |          |

|         | 3.00 LBS<br>INITIAL | 3.00 LBS AFTER<br>20 CYCLES |  | COMMENTS |
|---------|---------------------|-----------------------------|--|----------|
| PULL #1 | 3.20                | 3.26                        |  |          |
| PULL #2 | 3.17                | 3.19                        |  |          |
| PULL #3 | 3.10                | 3.29                        |  |          |
| PULL #4 | 3.20                | 3.10                        |  |          |
| PULL #5 | 3.21                | 3.06                        |  |          |
| TOTAL   | 15.88               | 15.90                       |  |          |
| AVERAGE | 3.17                | 3.18                        |  |          |

|         | 4.00 LBS<br>INITIAL | 4.00 LBS AFTER<br>20 CYCLES | MAX SETTING GREATER<br>THAN 4 LBS | RESET TO 4 LBS FOR<br>TARGET & ACCURACY |
|---------|---------------------|-----------------------------|-----------------------------------|-----------------------------------------|
| PULL #1 | 4.05                | 4.06                        |                                   | 4.05                                    |
| PULL #2 | 3.98                | 4.02                        |                                   | 4.08                                    |
| PULL #3 | 3.90                | 4.04                        |                                   | 4.00                                    |
| PULL #4 | 3.98                | 4.09                        |                                   | 4.08                                    |
| PULL #5 | 4.01                | 4.09                        |                                   | 4.10                                    |
| TOTAL   | 19.92               | 20.30                       |                                   | 20.31                                   |
| AVERAGE | 3.98                | 4.06                        |                                   | 4.06                                    |

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: G6461733.\_\_\_0

FILE DATE AND TIME: 10/24/2005 09:47

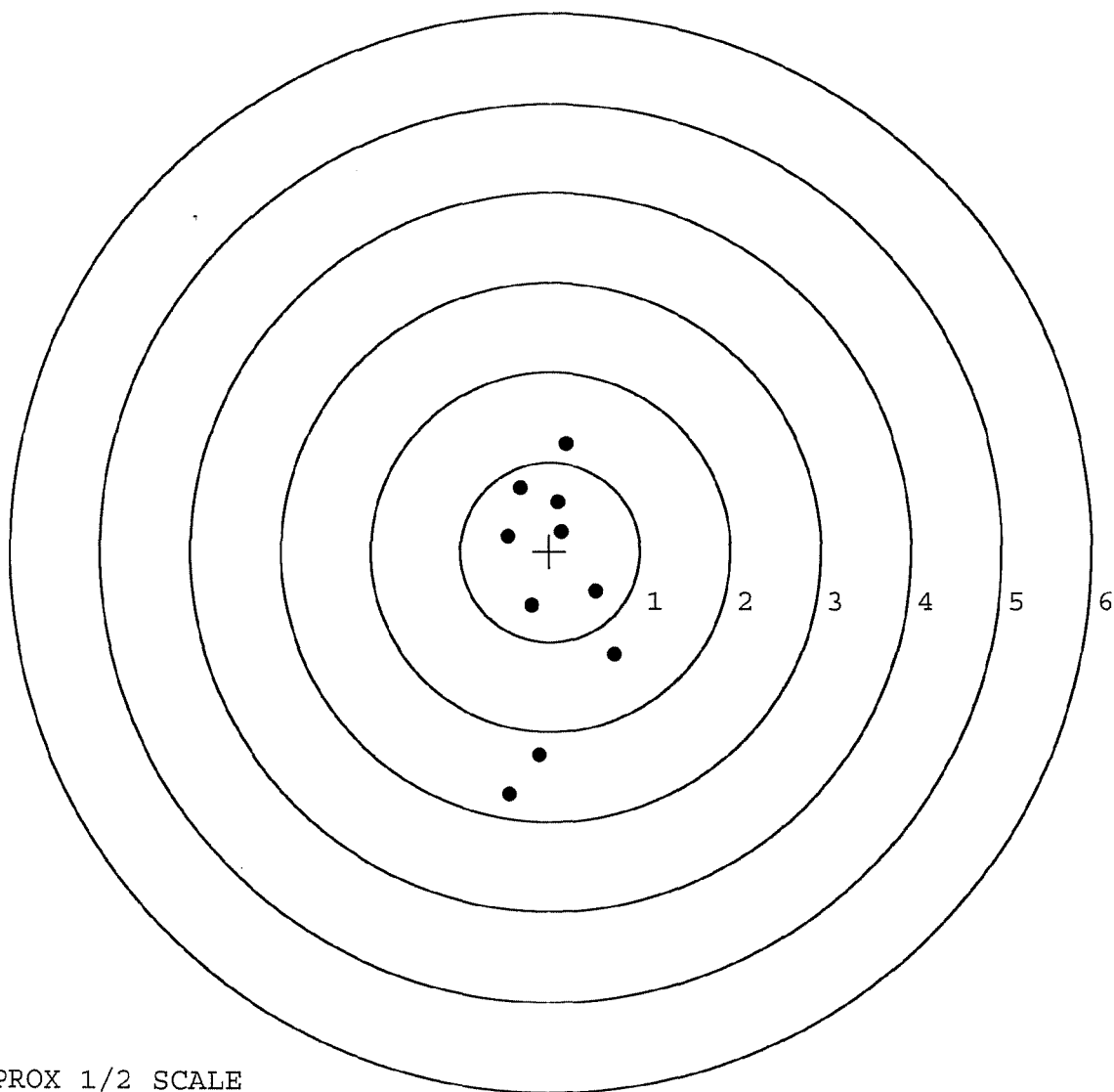
THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

|                                                             |        |
|-------------------------------------------------------------|--------|
| The Average X Centroid of the Five Target Set:              | 0.021  |
| The Average Y Centroid of the Five Target Set:              | -0.107 |
| The Average Point of Impact of the Five Target Set:         | 0.109  |
| The Average Mean Radius of the Five Target Set:             | 1.012  |
| The Distance from POA to Centroid Target #1:                | 0.430  |
| The Distance from Centroid Target #2 to Centroid Target #1: | 0.349  |
| The Distance from Centroid Target #3 to Centroid Target #1: | 0.413  |
| The Distance from Centroid Target #4 to Centroid Target #1: | 0.518  |
| The Distance from Centroid Target #5 to Centroid Target #1: | 0.517  |

SERIAL NUMBER: G6461733. \_\_0  
TARGET NUMBER: 1  
FILE DATE: 10/24/2005  
FILE TIME: 09:47

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.720  | -1.143 |
| 2:     | 0.510  | -0.443 |
| 3:     | -0.204 | -0.600 |
| 4:     | 0.129  | 0.217  |
| 5:     | 0.087  | 0.553  |
| 6:     | 0.180  | 1.206  |
| 7:     | -0.328 | 0.710  |
| 8:     | -0.472 | 0.171  |
| 9:     | -0.117 | -2.270 |
| 10:    | -0.445 | -2.702 |

X CENTROID: 0.006  
Y CENTROID: -0.430  
POA TO CENTROID: 0.430  
HORZ SPREAD: 1.192  
VERT SPREAD: 3.908  
GROUP SPREAD: 3.958  
MIN RADIUS: 0.270  
MAX RADIUS: 2.316  
MEAN RADIUS: 1.119  
# IN 1 IN DIAMETER: 1  
# IN 2 IN DIAMETER: 5  
# in 3 IN DIAMETER: 7

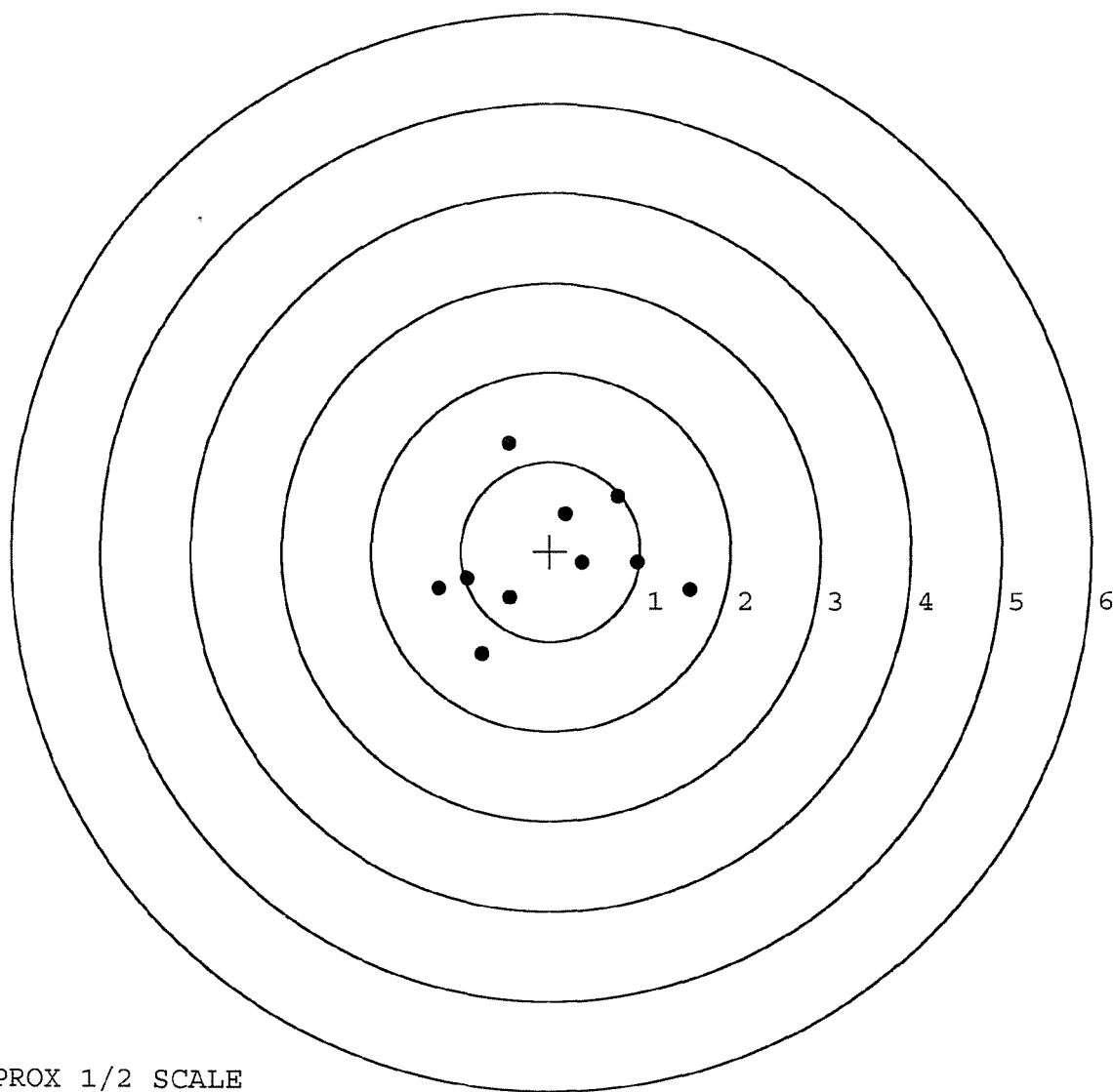


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461733. \_\_0  
TARGET NUMBER: 2  
FILE DATE: 10/24/2005  
FILE TIME: 09:47

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 1.549  | -0.424 |
| 2:     | 0.968  | -0.124 |
| 3:     | 0.357  | -0.125 |
| 4:     | 0.753  | 0.617  |
| 5:     | 0.173  | 0.418  |
| 6:     | -0.461 | 1.206  |
| 7:     | -0.452 | -0.518 |
| 8:     | -0.929 | -0.302 |
| 9:     | -1.246 | -0.419 |
| 10:    | -0.756 | -1.145 |

X CENTROID: -0.004  
Y CENTROID: -0.082  
POA TO CENTROID: 0.082  
HORZ SPREAD: 2.795  
VERT SPREAD: 2.351  
GROUP SPREAD: 2.795  
MIN RADIUS: 0.364  
MAX RADIUS: 1.591  
MEAN RADIUS: 1.002  
# IN 1 IN DIAMETER: 1  
# IN 2 IN DIAMETER: 5  
# in 3 IN DIAMETER: 9

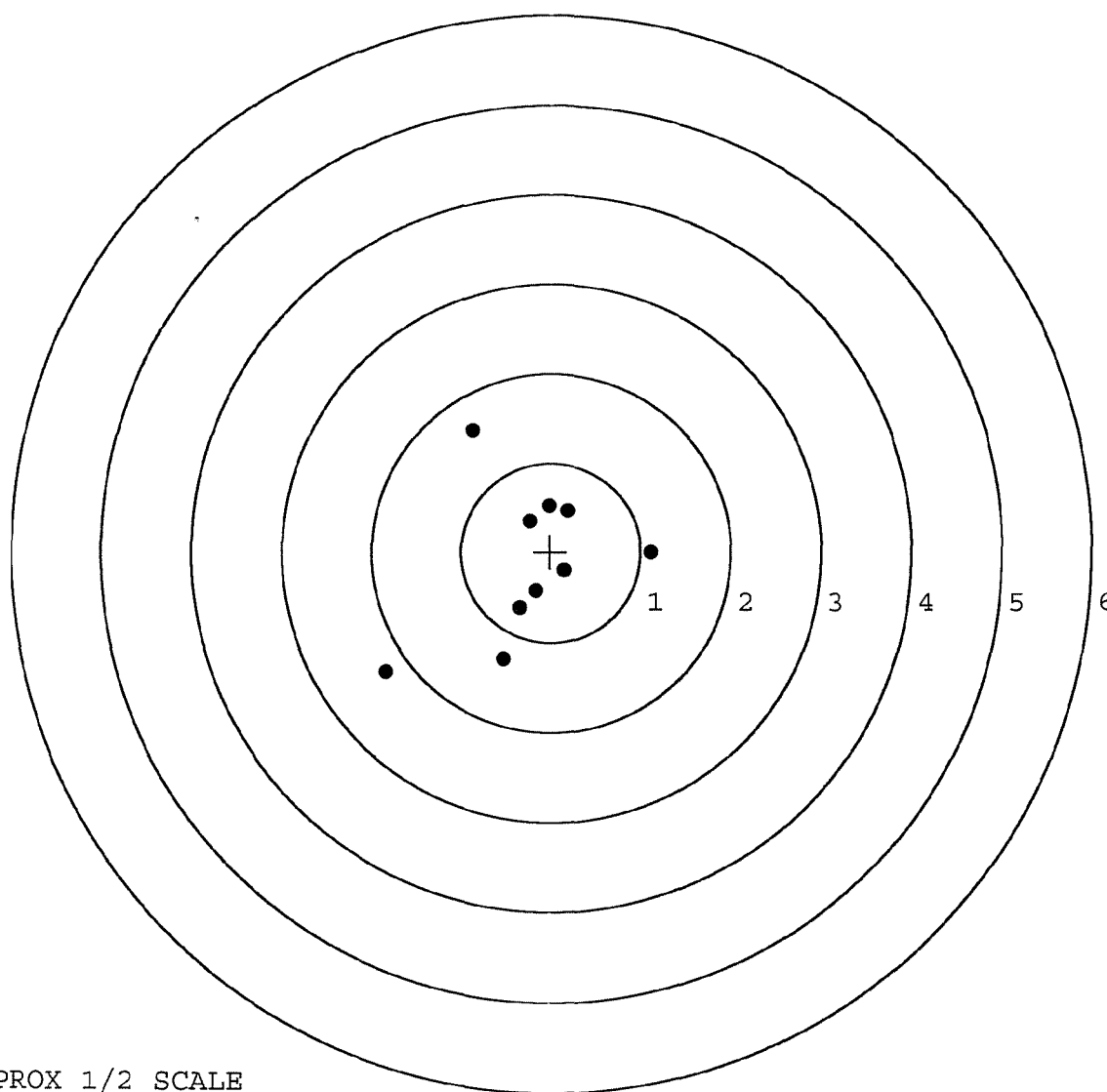


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461733. \_\_0  
TARGET NUMBER: 3  
FILE DATE: 10/24/2005  
FILE TIME: 09:47

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 1.118  | -0.005 |
| 2:     | -1.839 | -1.327 |
| 3:     | -0.879 | 1.372  |
| 4:     | 0.192  | 0.465  |
| 5:     | -0.017 | 0.519  |
| 6:     | -0.240 | 0.343  |
| 7:     | 0.156  | -0.209 |
| 8:     | -0.164 | -0.435 |
| 9:     | -0.343 | -0.620 |
| 10:    | -0.525 | -1.191 |

X CENTROID: -0.254  
Y CENTROID: -0.109  
POA TO CENTROID: 0.276  
HORZ SPREAD: 2.957  
VERT SPREAD: 2.699  
GROUP SPREAD: 3.239  
MIN RADIUS: 0.338  
MAX RADIUS: 1.999  
MEAN RADIUS: 0.923  
# IN 1 IN DIAMETER: 3  
# IN 2 IN DIAMETER: 6  
# in 3 IN DIAMETER: 8

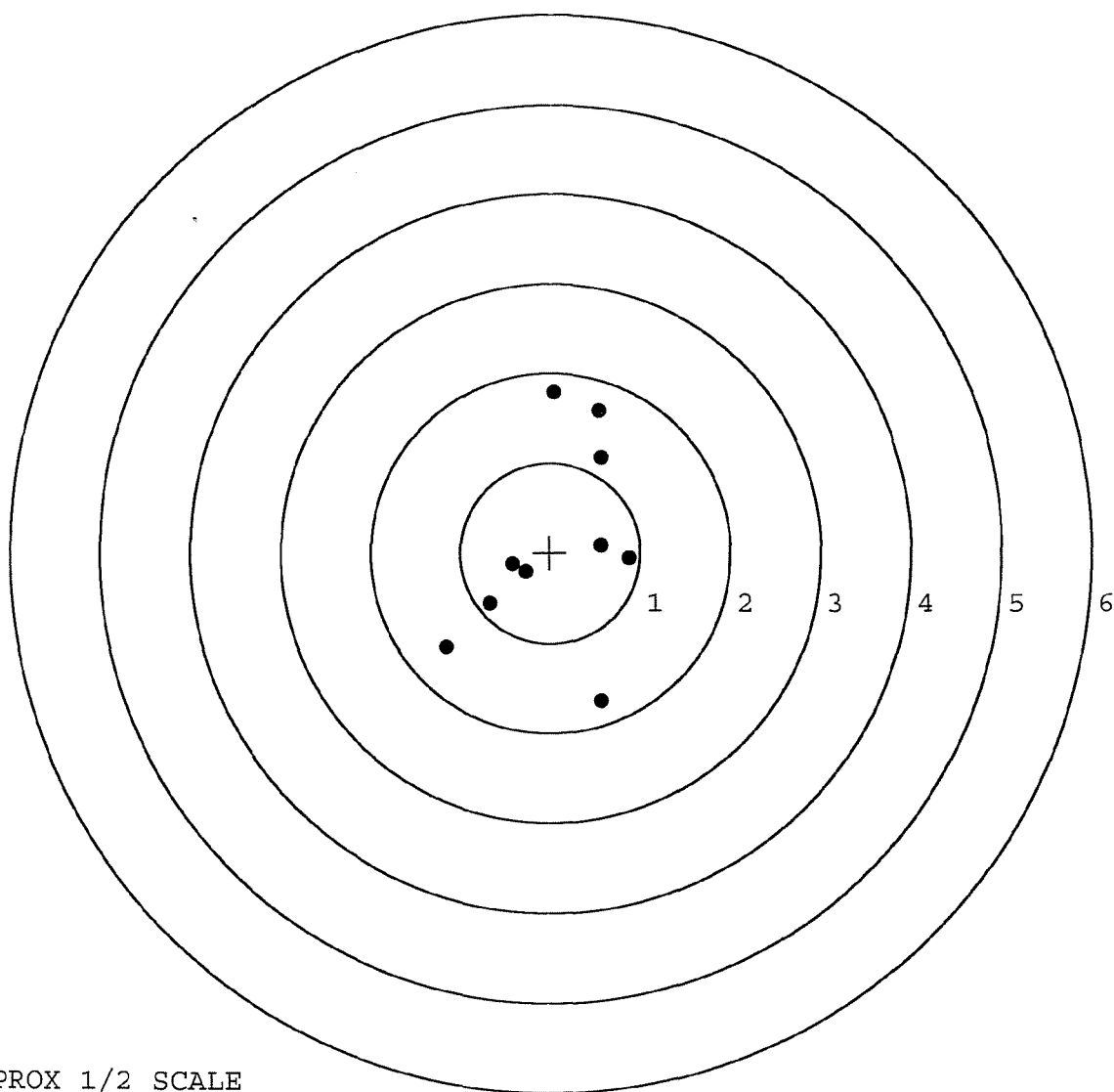


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: G6461733. \_\_0  
TARGET NUMBER: 4  
FILE DATE: 10/24/2005  
FILE TIME: 09:47

X CENTROID: 0.067  
Y CENTROID: 0.085  
POA TO CENTROID: 0.108  
HORZ SPREAD: 2.034  
VERT SPREAD: 3.427  
GROUP SPREAD: 3.468  
MIN RADIUS: 0.450  
MAX RADIUS: 1.801  
MEAN RADIUS: 1.113  
# IN 1 IN DIAMETER: 1  
# IN 2 IN DIAMETER: 5  
# in 3 IN DIAMETER: 6

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.574  | -1.643 |
| 2:     | -1.154 | -1.048 |
| 3:     | -0.672 | -0.564 |
| 4:     | -0.268 | -0.217 |
| 5:     | -0.416 | -0.133 |
| 6:     | 0.880  | -0.062 |
| 7:     | 0.568  | 0.081  |
| 8:     | 0.572  | 1.065  |
| 9:     | 0.539  | 1.584  |
| 10:    | 0.042  | 1.784  |



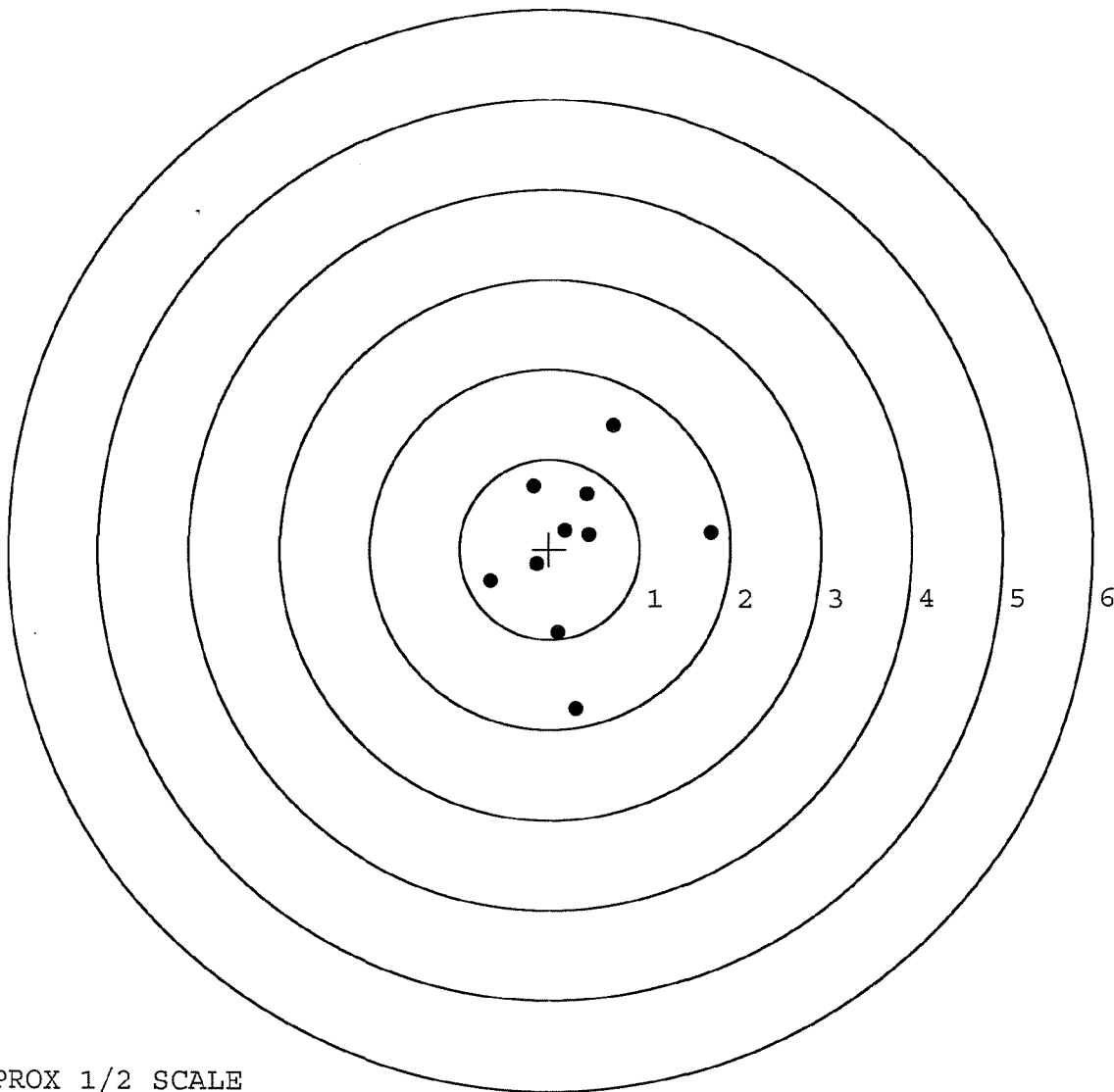
TARGET APPROX 1/2 SCALE



SERIAL NUMBER: G6461733. \_\_0  
TARGET NUMBER: 5  
FILE DATE: 10/24/2005  
FILE TIME: 09:47

X CENTROID: 0.289  
Y CENTROID: 0.002  
POA TO CENTROID: 0.289  
HORZ SPREAD: 2.428  
VERT SPREAD: 3.150  
GROUP SPREAD: 3.177  
MIN RADIUS: 0.211  
MAX RADIUS: 1.780  
MEAN RADIUS: 0.905  
# IN 1 IN DIAMETER: 3  
# IN 2 IN DIAMETER: 6  
# in 3 IN DIAMETER: 9

| POINT# | X      | Y      |
|--------|--------|--------|
| 1:     | 0.289  | -1.777 |
| 2:     | 0.094  | -0.927 |
| 3:     | 1.774  | 0.187  |
| 4:     | -0.654 | -0.358 |
| 5:     | -0.141 | -0.168 |
| 6:     | 0.173  | 0.212  |
| 7:     | 0.427  | 0.163  |
| 8:     | 0.413  | 0.614  |
| 9:     | 0.702  | 1.373  |
| 10:    | -0.183 | 0.706  |



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST  
CONTRACT #: DAAE-20-02-D-0127

|                     |                                                                            |                     |              |
|---------------------|----------------------------------------------------------------------------|---------------------|--------------|
| R & E NUMBER        | 101657                                                                     |                     |              |
| SERIAL NUMBER       | <del>E6413460</del> <del>E6461738</del> <del>E6461738</del> (New) 96461733 |                     |              |
| LOG-IN DATE         | 9-28-05                                                                    |                     |              |
| INSPECT AND VERIFY: |                                                                            |                     |              |
| OPERATION #         | OPERATION NAME                                                             | DATE                | INITIALS     |
| 550                 | DIS-ASSEMBLE GUN                                                           | 9-29-05             | RTL          |
| 560 A               | RE-BARREL                                                                  | 9-29-05             | RTL          |
| B                   | DRILL AND TAP                                                              | 10-4-05             | B.R.         |
| 575                 | ASSEMBLE                                                                   | 9-29-05             | RTL          |
| 600                 | PROOF <b>MAGNA-FLUX INSPECTED</b>                                          | 10-3-05             | ETL          |
| 605                 | CHECK HEADSPACE                                                            | 10-3-05             | ETL          |
| 610                 | DIS-ASSEMBLE GUN                                                           | 10-3-05             | RTL          |
| 612                 | MAGNAFLUX <b>OPERATOR</b> <del>WMS</del>                                   | 10/14/05            | WMS          |
| 615                 | ROLLMARK CALIBER                                                           | 10-4-05             | CW           |
| 618                 | ROTO-BLAST                                                                 | 10-6-05             | LB           |
| 620                 | APPLY COATINGS                                                             | 10/21/05            | WT Repair HT |
| 625 A               | FINAL ASSEMBLY                                                             | 10-24-05            | RTL          |
| B                   | TRIGGER PULL TEST                                                          | 10-27-05            | BC           |
| C                   | SAFETY "ON" FORCE                                                          | 10-27-05            | BC           |
| D                   | SAFETY "OFF" FORCE                                                         | 10-27-05            | BC           |
| E                   | FIRING PIN INDENT                                                          | 10-27-05            | BC           |
| 640                 | TARGET                                                                     | 10-24-05            | TRW          |
| 655                 | FINAL INSPECT                                                              | 10-27-05            | BC           |
| 660                 | PACK                                                                       | 10-28-05            | DA           |
|                     |                                                                            | SHIP DATE           |              |
|                     |                                                                            | QAR INSPECTION DATE |              |

DA FORM 2407, JUL 94

**M2400155484**



**M-24 INSPECTION CHECKLIST**  
**CONTRACT #: DAAE-20-97-C-242**

|                            |                                   |           |         |
|----------------------------|-----------------------------------|-----------|---------|
| R & E NUMBER               |                                   | 54293     |         |
| SERIAL NUMBER              |                                   | E6413460  |         |
| LOG-IN DATE                |                                   | 10/21/02  |         |
| <b>INSPECT AND VERIFY:</b> |                                   |           |         |
| OPERATION #                | OPERATION NAME                    | DATE      | INITIAL |
| 550                        | DIS-ASSEMBLE GUN                  | 10/24/02  | RL      |
| 560 A                      | RE-BARREL                         |           |         |
| B                          | DRILL AND TAP                     |           |         |
| 575                        | ASSEMBLE <i>Reassemble</i>        |           |         |
| 600                        | PROOF                             |           |         |
| 605                        | CHECK HEADSPACE <i>Stock</i>      |           |         |
| 610                        | DIS-ASSEMBLE GUN                  |           |         |
| 612                        | MAGNAFLUX <i>Clean</i>            |           |         |
| 615                        | ROLLMARK CALIBER <del>check</del> |           |         |
| 618                        | ROTO-BLAST                        |           |         |
| 620                        | APPLY COATINGS                    |           |         |
| 625 A                      | FINAL ASSEMBLY                    | 10/24/02  | RL      |
| B                          | TRIGGER PULL TEST                 |           |         |
| C                          | SAFETY "ON" FORCE                 |           |         |
| D                          | SAFETY "OFF" FORCE                |           |         |
| E                          | FIRING PIN INDENT                 |           |         |
| 640                        | TARGET <i>test</i>                | 11-6-02   | RL      |
| 655                        | FINAL INSPECT                     | 11-6-02   | RW      |
| 660                        | PACK                              | 11-12-02  | DA      |
|                            |                                   |           |         |
|                            |                                   |           |         |
|                            |                                   |           |         |
|                            |                                   |           |         |
|                            |                                   | SHIP DATE |         |
|                            |                                   |           |         |
| QAR INSPECTION DATE        |                                   |           |         |

**Aims Services Repair & Estimate System**

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

**Repair Inquiry**

Repair Number: **RE00028680** Serial: **E6374546** Model: **700** Center Fire Caliber: **7.62 NATO M-24 (SWS)** Repairman: Status: **Closed 6/18/01 1:05:25 PM**

Verify Repair

**Address Information**

Customer: ☒ Received From Return To: ☒ Received From

Name: **DFEL STORAGE SECTION** **DFEL STORAGE SECTION**

Address 1: **BLDG 490** **BLDG 490**

Address 2:  PO Box:   PO Box:

City: **FORT BENNING** **FORT BENNING**

State: **GA** Zip Code: **31905** Country: **US** State: **GA** Zip Code: **31905** Country: **US**

FEL: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

**Contact / Condition** Problems Estimate History / Status Shipping / Billing

**Contact Information**

Phone:

Fax:

Email:

Comments:

**Received Condition**

Condition: **Poor**

Notes:

CSR Notes:

**Accessories Received**

| Code | Desc        | Qty |
|------|-------------|-----|
| A007 | With Stud   | 1   |
| A008 | With Swivel | 1   |
| A010 | Hard Case   | 1   |
| A026 | Scope       | 1   |

**Repair Search** **Refresh** **Close**

naglet 6/18/01 2:33 PM CAPS NUM NS SCPI

Start Inbo Arm Mic Anna Part Free Lab SAP 2:33 PM

Serial Number: **E6374546**

Model: **700**



**RE00028680**

*E6413460*

Remington Test Lab, Ilion, N.Y.

Centroidal distance calculations for Rifle # e6413460  
11 Jul 2001

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1784

THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.105

THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .207006

THE AMR FOR THIS RIFLE IS: 1.005

### CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .372787 |
| 1 TO | 2 | .380928 |
| 1 TO | 3 | .354006 |
| 1 TO | 4 | .163713 |
| 1 TO | 5 | .485239 |

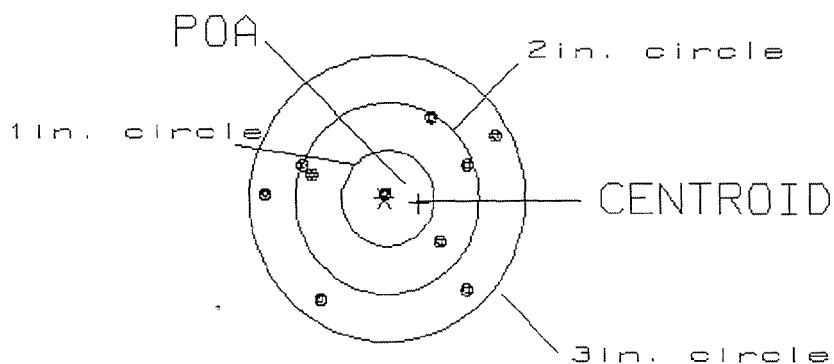
1 +5 <----POA  
4 2  
3

PATTERN #: ☐ 1 ☐  
 POA TO CENTROID: .372  
 MIN RADIUS : .011  
 MEAN RADIUS : .982  
 MAX RADIUS : 1.352  
 CENTROID X : -.369  
 CENTROID Y : .053

11 Jul 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/e6413450

# CENTERFIRE PATTERN # 1



# OF SHOTS= 10

# IN CIRCLE

HS= 2.51

1

VS= 1.89

5

GS= 2.59

10



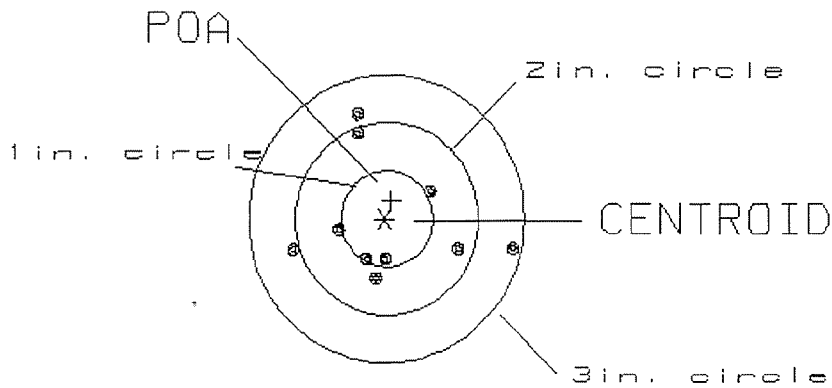
PATTERN #: 2

POA TO CENTROID: .202  
 MIN RADIUS : .363  
 MEAN RADIUS : .795  
 MAX RADIUS : 1.372  
 CENTROID X : -.074  
 CENTROID Y : -.188

11 Jul 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/e6413460

# CENTERFIRE PATTERN # 2



# OF SHOTS= 10

# IN CIRCLE

HS= 2.33

2

VS= 1.72

7

GS= 2.33

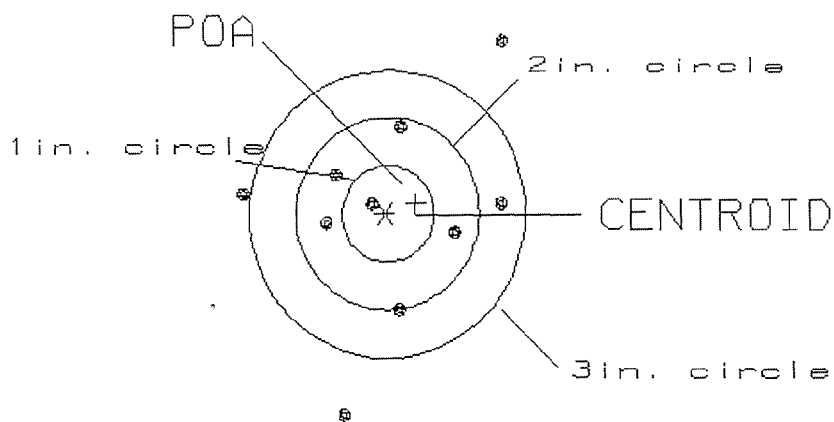
10

PATTERN #: 4  
 POA TO CENTROID: .347  
 MIN RADIUS : .149  
 MEAN RADIUS : 1.131  
 MAX RADIUS : 2.194  
 CENTROID X : -.330  
 CENTROID Y : -.106

11 Jul 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/e6413460

# CENTERFIRE PATTERN # 4



# OF SHOTS= 10

# IN CIRCLE

HS= 2.73

1

VS= 3.91

5

GS= 4.26

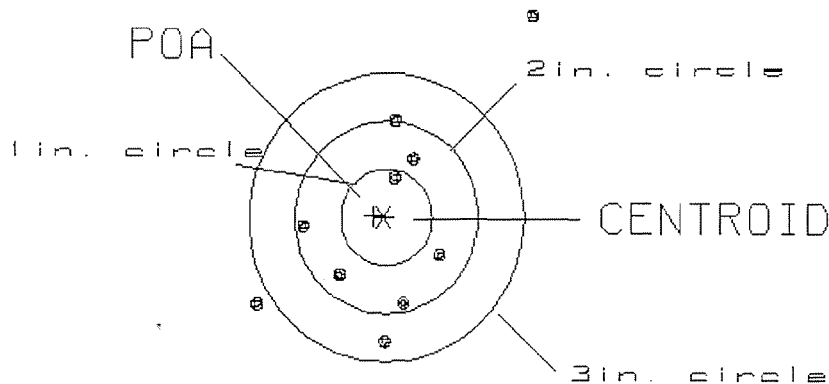
7

PATTERN #: 5  
 POA TO CENTROID: .113  
 MIN RADIUS : .427  
 MEAN RADIUS : 1.106  
 MAX RADIUS : 2.607  
 CENTROID X : .112  
 CENTROID Y : -.011

11 Jul 2001

FILE:/Hpbasic/Accuracy/Patterning/Centerfire\_Patt/e5413460

# CENTERFIRE PATTERN # 5



# OF SHOTS= 10

# IN CIRCLE

HS= 2.94

1

VS= 3.33

6

GS= 4.21

8

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# + .50#  
3.00# + .75#  
4.00# + 1.00#

SERIAL NO. EL6413460

DATE 5/23/01

TESTER RHL

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------------------------------------------------------------------------|
| PULL #1 | 228              | 232                      | 247                            | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 225              | 227                      | 229                            |                                                                        |
| PULL #3 | 227              | 231                      | 232                            |                                                                        |
| PULL #4 | 226              | 224                      | 243                            |                                                                        |
| PULL #5 | 229              | 229                      | 232                            |                                                                        |
| TOTAL   | 1135             | 1143                     | 1183                           |                                                                        |
| AVG.    | 227              | 228                      | 236                            |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES | COMMENTS |
|---------|------------------|--------------------------|----------|
| PULL #1 | 315              | 317                      |          |
| PULL #2 | 310              | 309                      |          |
| PULL #3 | 314              | 312                      |          |
| PULL #4 | 317              | 304                      |          |
| PULL #5 | 315              | 314                      |          |
| TOTAL   | 1571             | 1556                     |          |
| AVG.    | 314              | 311                      |          |

|         | 4.00#<br>INITIAL | 4.00# AFTER<br>20 CYCLES | MAX SETTING<br>GREATER THAN 4# | RESET TO 4# FOR<br>TARGET & ACCURACY |
|---------|------------------|--------------------------|--------------------------------|--------------------------------------|
| PULL #1 | 4.05             | 4.19                     |                                | 423                                  |
| PULL #2 | 4.23             | 4.29                     |                                | 4.07                                 |
| PULL #3 | 4.24             | 4.19                     |                                | 4.04                                 |
| PULL #4 | 4.11             | 4.24                     |                                | 4.14                                 |
| PULL #5 | 4.14             | 4.14                     |                                | 4.07                                 |
| TOTAL   | 2077             | 2105                     |                                | 2055                                 |
| AVG.    | 415              | 421                      |                                | 411                                  |