

E. I. DuPont de Nemours & Company
Remington Arms Company, Inc.
Ilion, New York

April 28, 1988

TO: W. H. COLEMAN

FROM: H. C. MUNSON *HCM*

MONTHLY REPORT - APRIL 1988

QUALITY

SUPPLIER VISITS

The Supplier Visitation Team met to review status of programs already initiated and to outline future activities. The next visit will be to Goodyear's Quebec plant which produces butt pads for our stocks. This has been a serious quality area, and improvement is essential to avoid constraining supply of finished stocks.

Four major suppliers have been asked to identify their five worst problems in providing outstanding service to Remington. This will help focus efforts on a few critical issues.

The Accessories Group provided a supply of "Rem-Oil" which we are giving to our vendors during quality visits. This not only serves as a practical memento of our discussion, but also provides a means of getting this product into other companies and into their individual homes.

QUALITY EXPO

The annual quality exposition was attended to review advances in equipment and services. Coordinate measuring machines were being promoted in a wide variety. Of special interest to us was a low-cost, semi-portable unit designed to be used by inexperienced people in a manufacturing environment. It has the potential to replace some hard gaging which is expensive to design, build, and maintain.

Measuring systems with video capability were also prevalent. Video provides opportunity for more than one person to view a subject simultaneously and can be equipped for differentiation/diagnostic capability.

TEST AND MEASUREMENT LABORATORY

An intensive effort was required to complete testing on N/66 - N/77 barrel heat treating alternatives. Over 190,000 rounds were fired in endurance testing, and 2,400 rounds were fired in excessive proof testing. Twelve SP-10 Magnum shotguns were tested with 2,000 endurance rounds.

TEST & MEASUREMENT LABORATORY - Cont.

Other tests completed included the following:

- o M/7400 30-06 Carbine Trial and Pilot Gun.
- o M/7600 .280 Rem. Caliber Trial and Pilot Gun.
- o SWS first article accuracy testing.
- o High pressure strength test on "NBAR".
- o Sportsman 74 - Primary extraction; high pressure strength.

SAFETY INITIATIVES

Two group discussions were held to address our company commitment and our individual commitment to safety. Views were shared openly among members of the team and a series of shorter discussions were planned which will review general plant safety rules and why they make sense.

HCM/rh
Attach.

SUPPLIER QUALITY INITIATIVES - STATUS REPORT

<u>ITEM</u>	<u>SUPPLIER</u>	<u>ISSUE</u>	<u>STATUS</u>
Obsolete Tooling	H&P	Agree on tooling at H&P no longer needed that can be eliminated or returned to Ilion.	Initial list of inactive tools supplied by H&P. Requires agreement from customer service group.
Trigger Plate Material	Tool Products	Begin efforts to eliminate need for difficult 218 Aluminum alloy.	Information from many sources and previous programs being gathered.
Rimfire Receiver Material	Tool Products	Change over from 218 to more castable alloy 380.	1,000 sample parts for production ordered in 380 alloy.
M/870 Fore-end Tube Nut	Parker & Harper	Eliminate threads at slot area to make manufacturing easier.	Technical Section will make samples for pull tests.