

REMINGTON ARMS COMPANY, INC.

SUCCESSOR TO THE REMINGTON ARMS UNION METALLIC CARTRIDGE CO., INCORPORATED.

MANUFACTURERS OF

FIREARMS, AMMUNITION, CUTLERY, CASH REGISTERS, ETC.

LONOKE, ARKANSAS

APRIL 30, 1992



TO: T. C. DOUGLAS
FROM: E. I. HERRING, III *E. I. H.*
SUBJECT: MONTHLY REPORT - APRIL, 1992

- o The SAAMI Pistol & Revolver Round Robin test for April has been completed, and the test results forwarded to the SAAMI office.
- o SAAMI Reference Ammunition - A new lot of 22-250 Rem SAAMI Reference Ammo has been qualified and announced to the industry.
- o At the request of Tim McCormack in the Ilion Custom Shop, a proof-load cartridge for the 22 Hornet was developed. A small quantity was handloaded and sent to the Custom Shop to cover their immediate requirements.
- o Olin Powder has submitted three powder samples for our evaluation:
 - WPR-289 - is WC-293 with flash suppressant added for 9mm Luger
 - WPR-287 - is 1000-2000 psi faster than WPR-289, also for 9mm Luger
 - WPR-780 - an improved lot for re-evaluation in the 270 Win 130 PSP cartridge
- o Norinco (North China Industries Company) submitted a sample of NM-04 shotshell powder for evaluation in the GL12-8 promotional load. This powder gave very good ballistic performance at room temperature (+70 F) and at +150 F, but gave low velocity and pressures at -20 F. Test results have been sent to Mr. Li Wanghan at Beta Chemicals for review. This powder was designed to be equivalent to Hercules Red Dot.
- o A new SAAMI Velocity Data Interpretation has been drafted and submitted to the members of the Pressure Measurement Sub-committee for approval. Drafts for CF rifle, CF pistol and revolver, Rimfire, and Shotshell were submitted for their review.
- o 220 Swift 60 HP Proof - A proof load was developed using the Sierra 60 HP bullet and Remington shells. An instruction letter has been issued listing the loading data for the 220 Swift Proof load.
- o A proof load has been developed for the 40 S&W cartridge. This proof load uses the 180 JHP bullet, 6.40 grains of Hercules Bullseye powder, and generates a pressure of 48600 psi. The proof pressure for the 40 S&W is 47000 psi to 50500 psi. All testing has been made using brass shells. Final testing will be performed in nickel plated shells when these become available.

o Biodegradable Wad Status:

Bio Wads - No evidence of degradation after nine months exposure.
Mortile TVL-50 - Samples continue to develop stress cracks and fracture easily. Control sample indoors - no change.

o Instruction letters have been issued for the RTL20M-9 20 ga. 1 oz. skeet load, and the 220 Swift 50 PSP cartridge.

o Gordon Taylor from ICI/Nobel Explosives Company in Scotland visited the plant on 4/29/92. NEC will continue to work on developing a magnum rifle powder for us to replace the IMR 7828 and 7816 powders. In addition, an order was placed for 22,000 pounds of NEC Rifle O powder, which is a replacement for IMR 4350. NEC will also submit samples of Neodisc 3 and Neodisc 3F for evaluation in the GL12 promotional shotshell.

o On 4/29/92, Duane Kruse at Olin's Powder Operations in St. Marks, Florida, notified us that a transaction had been approved by Olin's Defense Systems Group to sell their Olin Ordnance Division to Alliant Techsystems Inc. The sale will include the Olin Powder Operations. Alliant Techsystems is a subsidiary of Honeywell, Inc., and is a major supplier of large caliber ammunition. Duane does not anticipate any changes in operation.

o A sample of 30 Carbine 168 BTHP cartridges was loaded and sent to Knight's Armament Company for evaluation in a SWS suppressed sniper rifle. Although these cartridges are not subsonic (loaded to 1308 fps), they do provide a low sound signature and should be effective.