



REMINGTON ARMS COMPANY, INC.
LONOKE, ARKANSAS

JANUARY 29, 1993

TO: T. C. DOUGLAS
FROM: E. I. HERRING, III *E I H*
SUBJECT: MONTHLY REPORT - JANUARY, 1993

o Norinco Powder from China - Additional samples of NM-04 powder for use in the GL12 promotional were evaluated. The ballistic performance of this powder is very good at +70° F and +150° F, but gave lower than desired pressure at -20° F. Our test results have been forwarded to China for review.

o 223 Rem 40 JHP - Although a satisfactory load has been developed using IMR 4198 powder, additional powders have been evaluated to further improve the ballistics of this cartridge. Olin WC-687 and WC-685 powders have proven to be too fast. Samples of slower ball powders are being shipped for our testing. Quotes have been received on bullets from Sierra.

o Travel - Attended SAAMI Technical Committee meetings and the SHOT Show in Houston, Texas. At SAAMI, Federal Cartridge Company announced two new cartridges, the 6.5x55 Swedish Mauser and the 7x64 Brenneke. Both cartridges will be made to the CIP drawings. At the SAAMI meeting, we met with the Director of CIP Mario Centi. During this meeting SAAMI agreed to recognize CIP cartridge and chamber dimensions for all cartridges that originated in CIP member countries, and CIP agreed to honor SAAMI drawings for all cartridges which originate in the United States.

o ~~Order~~ Universal Receiver test barrels with 35 inch and 24 inch twist rates for the 20 gauge 2 3/4" Sabot slug program. Delivery is expected in early February.

o Instruction letters have been issued for the RIT12L, SP12SMag-RS, NSTL20HMag, and the improved SP12-RS shotshells.

o On January 21, Dan Flaherty and Marco Calvary of CBC in Brazil visited the plant to review the performance of the rifle powder samples they had submitted for our evaluation. The CBC 103 powder gave the same pressure level in the 7mm Rem Mag 150 PSPCL cartridge as did IMR 816 powder, but gave 85 ft/s less velocity. CBC will attempt to improve the velocity-pressure relationship of this powder and resubmit the sample.

o Vihtavuori Powders (Finland) - While at the SHOT Show, Jerry Roach and I met with the Vihtavuori technical personnel to discuss test methods for

the powders they supply to us. On CF rifle cartridges, they are sampling the chamber pressure of the case mouth rather than using a conformed transducer. They have agreed to purchase a PCB conformal transducer for the 270 Win cartridge for testing our powder lots. We plan to calibrate the transducer for them and demonstrate its use during their visit in April.

- o 6.5x55 Swedish Mauser - The UR test barrels received apparently have the SAAMI chamber rather than the CIP chamber that was requested. Tom Houghton of H-S Precision is reviewing our chamber casts of the barrels and will rechamber them to CIP specifications. Since this cartridge was announced by Federal Cartridge Company, they will have the responsibility to supply SAAMI reference ammunition and proof loads for the 6.5x55.

- o New Concept Shotgun - Exterior ballistics data has been generated for the NCS and will be distributed to the appropriate Ilion and Wilmington personnel for review.