

TO: T. C. DOUGLAS
FROM: V. F. SCARLATA

SUBJECT: PROGRESS REPORT - NOVEMBER, 1992

12 GA. 735 Pb SLUG

This project is presently running on 500 Duplex Loader. The SP12RS shot in on the first BL and the accuracy is presently averaging 2-1/2" @ 50 yds.

There are presently some feed problems with the new vibratory bowl, but overall the machine is running well.

The T-P for the SP12RS has been completed and the Product Center has signed off on the T-P package.

The T-P's for the SPM12RS and SPSM12RS will follow when the SP12RS schedule is completed.

12 GA. PREMIER SLUG

A 5000 piece sample of the finalized Sabot design is being produced on the single cavity mold. These Sabots will be used to produce the EX run of this product.

A four cavity mold has been placed on order and should be completed by mid-January. The feeders needed for this product should be completed by the middle of December. The slug feed hopper has been completed, and is available for testing.

Testing of this product at Ilion and the 1992 Writer's Seminar was very successful. Accuracy in the 1187 shotgun was impressive and gun functioning was perfect.

1992 WRITER'S SEMINAR

This event was attended to help introduce the new products for 1993. The Premier and improved Pb slugs prompted much interest and many questions.

SUPPRESSED POWDER

In an effort to decrease muzzle and breach flash, a sample of suppressed 380 was obtained. Preliminary results indicate a marked decrease in breach flash and a reduction in muzzle flash. Handload samples are being tested at -20°F. and +150°F. for V-P.

T. C. Douglas - November Progress Report
Page 2.

16 GA. STEEL 15/16 Oz.

The set of heading pins requested by production has arrived and they have been transferred to Project Center. The mold tooling is on order for the STL 16 wad. This project is complete until the T-P run is made.

NEW 12 GA. STEEL WADS

Preproduction samples of the new STM and STH wads have been tested. The STH wads gave good results, but the STM wads had base cracks. It was found that the base thickness of the STM wads was below spec. The mold is being reworked so the wad will meet the print.

A sample of STL wads to the new design are presently being tested.

LARGE SIZE STEEL SHOT LOADS

No change from last month.

12 GA. 3-1/2" STEEL

The latest wad design still had gas seal failure. This wad will require a different base design than the other 12 Ga. steel wads. Drawings have been submitted to the wad vendor to produce a sample. This sample should be ready for testing by the middle of December.

10 GA. 3-1/2" STEEL

This project is complete until the T-P run is made.

458 WIN MAG 450 Gr. SWIFT

No change from last month.

20 GA. PREMIER SLUG

No change from last month.

300 WIN MAG 200 Gr. SWIFT

The 4,000 bullets needed for the EX run have been obtained from the vendor. Accuracy testing produced 1.3" and 1.4" groups @ 100 yds, in 2 different barrels.

The EX run is presently being setup and V&P does not appear to be a problem.