

To: T. C. Douglas
From: J. M. Edwards *JME*
Subject: Progress Report, November

November 25, 1992

12 Ga. Premier Slug:

The work on this project was done to assist V.F. Scarlata with the workload.

The machine loading of this product on the simplex loader is planned before Christmas shutdown. The necessary change-over parts are complete and are now being fitted together for installation on the simplex loader.

A trip to the molding vendor this month was very informative about the condition of the prototype mold. After examining the new core pin it was clearly unusable. The instructions to the vendor was to use the original core pin to duplicate the initial run of sabots that produced very good accuracy. The mold maker was to remove all modifications and align the side pull blocks with the base. The next step would be alignment of the core pin with the side pull blocks without any preload on the side pull blocks. This would duplicate the original run. Samples arrived promptly and the test results were very good. A new core pin and a four cavity mold were ordered. Samples will be made with the new core pin in the prototype mold to confirm which diameter core pin the four cavity mold will use. The prototype mold will be used for production until the new four cavity mold is on line and then can be used to supplement production as needed.

Approximately 1200 sabots arrived, after approval of the initial set-up, and the test results were excellent. The vendor discovered that by increasing the cycle time the slight de-lamination disappeared and the accuracy improved. This condition is now part of their inspection for this product.

6.5mm x 55mm SWEDISH MAUSER:

Testing will not continue until the new test barrels are on site. They are being made to the CIP drawing. The experimental tooling is arriving and should be on site before Christmas shutdown. The gages are being made to the CIP drawings and the delivery quoted is six weeks.

7mm x 64 BRENNER:

The shell design is complete and the tool drawings are in drafting. When the drawings are complete the tooling will be ordered. Three test barrels have arrived and one will be converted to a pressure barrel while the others will be designated as accuracy barrels.

PLANT SUPPORT:

TWO DRAW SHELL PROCESS - Shells made to the new process are now in the line and the evaluation is underway. To date there has been no evidence that any problem exist with the process. This item will be dropped.