

26 Sept. '91

To: Hal Munson
From: Tom Powers
Subject: Monthly Report for September '91

M/OU Barrels (Powers)

Process Engineering is continuing development of the assembly process for the barrel spacers and vent rib. The new lighter-weight barrels and vent ribs (welded type) have been completed and are ready for assembly. The new barrel profile is considerably thinner for the first eight inches in front of the mono-block, where we have increased material strength due to heat treat. This will reduce the gun's weight by approximately 1/4 lb. Intentional abuse/ultimate strength testing should begin the first half of October.

M/11-87 Sporting Clays (Powers)

Alteration of the extra stock former to produce the new stock is underway in the tool room. The recoil pad contract has been awarded to Goodyear. Mold cost is \$10K with a piece price of \$2.60. Pads should be available by the end of January. The prototypes of a mock-tapered rib have not been started. Work on General Schwarzkopf's gun has been temporarily stopped.

M/11-87 Machined Gas Seats (Powers)

Redesign of the gas cylinder has been completed. Transmittal of the drawing and partslist changes need to be done. Production may proceed when ready.

Turkey Choke (Powers)

The requested tube will have the choke constriction reduced to .670 (from .685), the portion external to the barrel will be enlarged and knurled (for hand tightening) and the wrench cuts removed, since the new wrench will not fit the tighter constriction. Additionally, pattern specifications will be given at 30 yards (not 40 yards) using 1 7/8 ounces of #6 shot (instead of 1 5/8 ounces of #6). The samples from Briley have been pattern tested and the new specification will be 90% at 30 yards.