

REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE

Remington
GUPON

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GUPON

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"CONFINE YOUR LETTER TO ONE SUBJECT ONLY" _____

February 6, 1993

M E M O R A N D U M

TO: K.W. SOUCY
FROM: F.E. SCHMIDT, JR. *FES*
SUBJECT: JANUARY MONTHLY REPORT

The major thrust in January was the evaluation of O/U components. As production prototypes are made, the metallurgical processing, process record standards and performance characteristics are measured. Improvements to the O/U product have been significant and have required extensive revisions to the metallurgical processing.

Other significant activities are listed below:

- Reviewed and qualified PM/MIM processes for O/U components.
- Assisted Manufacturing with Viper 522 and polymer 'duck plug' qualification.
- Provided materials selection assistance to shotgun and centerfire design teams.
- Butler v Remington firearm examine and extensive testing to attempt to replicate action spring tube separation. The stresses required to break the braze is 12,500 psi minimum. Normally, the steel tube breaks at 15 to 17,000 psi.

General

The January TECH BRIEF was organized by Ed Ford on 'Computer Design Methods'. A high level of interest in our monthly technical program continues as our focus is on technology we can use immediately.

We have completed Lesson #12 out of the 15-week 'Metallurgy For The Non-Metallurgist' Course I am teaching in-house for foremen and design engineers.

FES:cat