xc: G.D. Sietsema
A.A. Pestar
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REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE

Remington (DUPONT) PETERS (DUPONT)

"CONFINE YOUR LETTER TO ONE SUBJECT ONLY"_____

April 2, 1993

M E M O R A N D U M

TO: K.W. SOUCY

FROM: F.E. SCHMIDT, JR.

SUBJECT: MARCH MONTHLY REPORT

Metallurgical support to fine-tune and optimize O/U production processess was the main focus working with ATO engineers. Vent rib welding and barrel assembly braze operations were audited. We expect to achieve 100% reproducible brazing and lot sampling for radiography in early April.

Trial & Pilot support to the test laboratory included a failure analysis of an O/U barrel that split at the sixth post. The split was caused by a weld discontinuity in the vent rib weld. All associated product was examined by magnetic particle inspection inside the barrel to certify the O/U product in the warehouse.

Litigation - Metallurgical analyses were performed to assist in case presentation. Namely: Butler v Remington process exhibits; Cole v Remington review examination and file in preparation for April trial exhibits; and attended the LTV Steel deposition in the Schoeniche v Remington barrel burst case.

Plant Assistance - A major audit of our M/700SS barrel process was made. Since our improvement by ultrasonic inspection at CARTECH Steel Co., our yield at magnetic particle inspection has increased dramatically from 95% to 99% plus.

General - A TECH BRIEF was organized and presented for the plant on 'INJECTION MOLDING' by MIM's David Foss. The April TECH BRIEF will be given by David Findlay on 'Viper: Cycle of Operation'. Interest and attendance has been very good.

We have completed the final Lesson #15 on the ASM International Course, 'Metallurgy ... for the Non-Metallurgist' I have given as an in-plant training opportunity. This lesson 'Failure Analysis and Quality Control' was an excellent summary directed at how to use metallurgy toward continuous improvement at Ilion.

FES:cat