

To: Richard Jackson
From: James A. Love
Subject: Progress Report (10-29-93)

Powder Coating of the Detachable Magazine Parts: Process development is progressing well. The new application equipment is performing as expected. Coating thickness is still an issue. I suspect that the need to apply a large amount of powder is caused by the powder formulation. As a result, I have begun a search for a new powder. I have identified several possibilities and testing is ongoing. During the T&P of the L/A Standard gloss parts, several process deficiencies were noted. The largest obstacles are controlling the amount of orange peel and out-gassing. The problem with the orange peel should be corrected with the powder change. This will be accomplished by finding a powder that is less sensitive to thickness build. The out-gassing problem will be greatly reduced with the use of the infrared oven, so this problem is short term. The Stainless Steel parts coated well, and the process development is complete.

Fitting the Miyano with an Ejector Drilling System: This project is in approval for the capital dollars required.

Infrared Oven Project: Final drawings are complete and production of the oven has started. The oven will be installed during the November shutdown.

Powder Coating Tanks: A formal testing procedure has been developed. It is my hope, that by having a formal log of the condition of the tanks we can determine and identify process deficiencies. Dick Frappier will be responsible for performing the testing and logging the results.

Regional Program for Excellence in High School: Allan Randt is progressing well on his gage for the M/7 Floor Plate. We have developed a design concept and have started the drawings. I am pleased with his progress.