



1. INTRODUCTION

The AMPACT Tool is designed, manufactured, inspected, and tested under strict controls to ensure that it functions properly. As with any equipment of this nature, the tool must be used and maintained in the prescribed manner to prevent occurrence of problems which are beyond the control of the company.

2. DESCRIPTION

This report summarizes the numerous inspections and tests currently performed to maintain the high reliability of AMPACT Tools. No effort has been made to incorporate this report in any of the development tests, design changes, and quality factors made over a number of years to establish the existing tool configurations.

The procedures described in this report are conducted as part of a continuous reliability program for the large tool, part number 69611, and for the small tool, part number 69437. Included are the types of inspections conducted on the tool heads, beginning with the base forgings, and ending with the finished heads and power units. A brief description is given of reliability tests and investigations of reported problems.

3. INSPECTIONS

3.1 Base Materials

Immediately upon receipt, each shipment of base material for manufacture of the AMPACT Tool is identified and placed on "Hold" status until the receiving inspection is conducted.

Inspections of the materials are conducted in accordance with established Quality Inspection Plans. Sampling for inspection is based on Military Standard MIL-STD-105D, or as determined by Quality Engineering.