DATE: November 10, 2005

SUBJECT: Improved Spike Feed Cylinder - 28550006

RATING: DIRECTIVE (Action is required) ALERT (Potential Problem)

INFORMATION (Action is optional) PRODUCT IMPROVEMENT (Enhance Product)

MACHINE MODEL(S): Spiking Machine Model C
Spiking Machine Model 99C
CX Hammer
Spike Driver Model SS-B
M3 Machine with Lag Driver or Spike Driver Modules
Production Screw Spiker
Hydra-Spiker Model B, Super B & Super B-2
Hydra-Hammer Model A, B & B-2
Model 44 Spiker
Anchor Applicator Model D, E, & F

SERIAL NUMBER(S): All

SUMMARY: A new Spike Feed Cylinder (p/n 28550006) has been designed to replace the original 96350523 cylinder. This new cylinder incorporates an internal piston stop and an improved rod wiper. The new cylinder also has a rod seal which the original did not have. In addition, a new Return Spring (p/n 3663610) has been designed so that both spring loops are in the same plane.

OPERATIONAL IMPACT: The improved cylinder will reduce down time to the machine because the cylinder will not have to be replaced as often.

ACTION: This new cylinder will be completely interchangeable with the original cylinder. Cylinder 28550006 can be easily identified by having a round end; the original cylinder has a square end. See Figures 1 and 2. However, the individual parts are NOT interchangeable between the two cylinders. A list of replacement parts for the new cylinder is shown in Table 1.

The original Spike feed Cylinder (p/n 96350523) is still available and either cylinder may be ordered.

WARRANTY: None
Table 1

<table>
<thead>
<tr>
<th>Item</th>
<th>28550006 Repair Part Number</th>
<th>96350523 Replaced Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>65630310</td>
<td>54910210</td>
<td>Rod</td>
</tr>
<tr>
<td>2</td>
<td>37701770</td>
<td>63580300</td>
<td>End Gland</td>
</tr>
<tr>
<td>3</td>
<td>68010016</td>
<td>35701124</td>
<td>Seal Kit (rod wiper and rod seal)</td>
</tr>
<tr>
<td>4</td>
<td>86064236</td>
<td>N/A</td>
<td>Stop Washer</td>
</tr>
<tr>
<td>5</td>
<td>28560515</td>
<td>28560500</td>
<td>Body</td>
</tr>
<tr>
<td>6</td>
<td>3663610</td>
<td>3663600</td>
<td>Spring</td>
</tr>
<tr>
<td>7</td>
<td>19142410</td>
<td>N/A</td>
<td>Silicon Bronze Hex Head Capscrew</td>
</tr>
</tbody>
</table>

Figure 1
New 28550006 Cylinder
(Shown on a typical spiking gun)

Figure 2
Original 96350523 Cylinder