Compression Machine Maintenance Procedure
In-House Designation: M-5

REQUIRED EQUIPMENT

1. Wire Brush
2. NAPA Automatic Transmission Fluid
3. Chevron SAE-30 Oil
4. WD-40
5. Yard Stick Measureable to 1/16"
6. Wrenches
7. Water
8. Rags

STEPS

1. Using a clean wet rag, clean the bearing surfaces and other pertinent surfaces of the machine until they are free of dust and debris.
2. Using the wrench, disassemble upper platen to expose the curved surfaces of the upper bearing block (the ball and socket).
3. Using WD-40 and a clean rag, clean the ball and socket.
4. Perform a final cleaning of the curved surfaces using a clean wet rag.
5. Using Chevron SAE-30 Oil, oil the ball and socket.
6. Using the wrench, reassemble the upper bearing block.
7. Verify that the upper bearing block has free range of movement as per ASTM C39.
8. Fully retract the machine.
9. Disengage the power supply.
10. Check the hydraulic hoses for wear, and replace the hoses if excessively worn.
11. Clean the area around the hydraulic pump filler plug.
12. Remove the plug.
13. Check the oil level in the reservoir tank or hydraulic pump.
14. Add NAPA Automatic Transmission Fluid, as necessary, to bring the fluid level to capacity.
15. Replace the plug.
16. Reengage the power supply.
17. Using the yard stick, check the distance between the upper and lower bearing blocks.