

| Condition | Possible Causes | Remedies |
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| <p>8. The hand levers creep while the rockshaft is in motion. (Cont'd)</p> | <p>2. The control rod which connects with the operator's lever is sprung, causing tightness in the pivot of the control rod adjustable yoke (7).</p> <p>3. Free movement of the control spool valve is being interfered with by (a) misalignment, (b) friction between the control valve pin (4) and the casting, and (c) distortion of the control valve operating lever (5).</p> <p>4. Dirt, burrs, or scored bores in the block are preventing the control spool valve from moving freely.</p> | <p>2. Free up the adjustable yoke (7).</p> <p>3. Check the control valve operating lever (5) for free movement and free up if necessary.</p> <p>4. Clean the control spool valve (21) and bore. Remove burrs.</p> |
| <p>9. Operating pressure exceeds permissible maximum of 1500 pounds per square inch.</p> | <p>1. Safety valve piston (38) is fitted too close in its bore, or burrs and dirt are causing it to stick closed.</p> <p>2. Wrong safety valve spring (40) was installed.</p> | <p>1. Clean safety valve piston and bore, remove burrs, free up.</p> <p>2. Inspect safety valve spring (40). Replace if broken or if tension is below specifications (free length 1-15/16 inch and should compress to 1-1/4 inch under 61 to 67 pounds pressure).</p> |
| <p>10. External leakage.</p> | <p>1. Welsh plugs leaking.</p> | <p>1. After checking for cracks in the cylinder block in this region, put in a new welsh plug with sealer.</p> |