

## SECTION 6 TROUBLESHOOTING

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# SECTION 6 TROUBLESHOOTING

## GROUP 1 TRAVEL HYDRAULICS

### 1. TRAVEL HYDRAULICS

Trouble	Probable cause	Remedy
<b>Loss of drive power on one side - both directions</b>	<ul style="list-style-type: none"> <li>· Reservoir low on oil</li> <li>· Disconnected steering control linkage</li> <li>· Bolts sheared on pump neutral bracket</li> <li>· High pressure line failure</li> <li>· Drive chain failure</li> <li>· Travel motor shaft failure</li> <li>· Main pump failure. Drive may initially appear to be lost on one side only, but after a few moments, drive will be lost on both sides</li> <li>· Excessive internal leakage or damage in control pumps and/or travel motor</li> </ul>	<ul style="list-style-type: none"> <li>· Check for leaks. Fill reservoir</li> <li>· Reconnect and adjust steering control linkage</li> <li>· Replace. Check neutral bracket for loose bolt or excessive play.</li> <li>· Replace line. Check travel motor and control pump mounting bolts.</li> <li>· Inspect chain and connection links. Replace damaged parts.</li> <li>· Inspect and repair defective parts. Check motor mounting bolts.</li> <li>· Inspect and repair defective parts.</li> <li>· Inspect and repair defective unit. Flush all lines and reservoir. Replace filter, check on type of fluid used and engine rpm.</li> </ul>
<b>Loss of drive power on one side-one direction only</b>	<ul style="list-style-type: none"> <li>· Defective valve block relief valves</li> <li>· Damaged or seized travel motor shuttle valve</li> </ul>	<ul style="list-style-type: none"> <li>· Replace relief valves.</li> <li>· Inspect and replace defective parts.</li> </ul>
<b>Loss of drive power-both side(No hydraulic power)</b>	<ul style="list-style-type: none"> <li>· Reservoir low on oil</li> <li>· Universal joint between engine and pump failure</li> <li>· Main pump not functioning</li> </ul>	<ul style="list-style-type: none"> <li>· Check for leaks. Fill reservoir.</li> <li>· Inspect and replace damaged parts. Check for misalignment.</li> <li>· Inspect and replace damaged parts.</li> </ul>
<b>Loss of drive power-both sides(No hydraulic power)</b>	<ul style="list-style-type: none"> <li>· Loader control pump shaft failure</li> <li>· Spline coupling between front and rear control pump failure</li> </ul>	<ul style="list-style-type: none"> <li>· Inspect and replace damaged parts.</li> <li>· Inspect and replace damaged parts.</li> </ul>

Trouble	Probable cause	Remedy
<b>Loss of drive power-both sides(Full hydraulic power)</b>	<ul style="list-style-type: none"> <li>· Main pump not functioning</li> <li>· Main pump relief valve failure</li> <li>· Excessive internal leakage or damage in control pumps and/or travel motor</li> <li>· Drive chain out of adjustment</li> </ul>	<ul style="list-style-type: none"> <li>· Inspect and replace damaged parts</li> <li>· Inspect and replace damaged parts</li> <li>· Inspect and repair defective unit. Flush all lines and reservoir. Replace filter. Check on type of fluid used and engine rpm.</li> <li>· Adjust.</li> </ul>
<b>Loader not travel in straight line</b>	<ul style="list-style-type: none"> <li>· Control levers binding</li> </ul>	<ul style="list-style-type: none"> <li>· Check for interference of shields or sound insulation. Adjust accordingly.</li> </ul>
<b>Control lever does not return to NEUTRAL position when released</b>	<ul style="list-style-type: none"> <li>· Adjustment.</li> </ul>	<ul style="list-style-type: none"> <li>· Check self-centering spring for binding or adjustment. Adjust.</li> </ul>