

SECTION 6 TROUBLESHOOTING

Group 1 Travel hydraulics	6-1
Group 2 Boom and bucket hydraulic	6-3
Group 3 Power train	6-5
Group 4 Control	6-6
Group 5 Electrical system	6-7

SECTION 6 TROUBLESHOOTING

GROUP 1 TRAVEL HYDRAULICS

1. TRAVEL HYDRAULICS

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

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