

Trouble Shooting Guide

Symptom	Potential cause	Solution
<i>Oil leaking from gear box output shaft</i>	Damaged shaft seal.	Replace seal and shaft if necessary.
<i>Fluid leaking out of reservoir or foaming</i>	Clogged oil filter	Change fluid and filter
	Air in system	Bleed system. Inspect suction side of supply pump for air leak
	Poppets of steering gear not adjusted properly causing high temperatures	Adjust poppets
	Pump cavitating	Inspect pump supply line for restriction
	Fluid overheating	Inspect steering gear return line for restriction
<i>Hard turning in one or both directions</i>	Bind in steering column	Inspect column drag
	Dirt or debris trapped in piston relief	Inspect piston relief
	Bent or damaged king pins and tie rods	Repair or replace king pins and tie rods
	Front end load too great	Lighten load
	Low fluid level in steering system	Fill reservoir as needed
	Air in system	Bleed system and inspect for cause
<i>Steering radius restricted</i>	Poppets not adjusted properly	Adjust poppets
<i>Hard steering</i>	Defective supply pump	Inspect pump flow
	Steering out of alignment	Align front end
	Fluid overheating	Find and correct overheating cause
<i>High operating temperature</i>	Fluid flow restriction	Inspect back pressure
		Check maximum oil flow
<i>Road wander/over steering</i>	Oil flow too high	Pump not to specifications
	Air trapped in gear	Bleed system
	Looseness worn front end parts	Inspect and repair as required
	Front end alignment not correct	Align front end
	Overloaded	Reduce loads
	Rear axle not parallel	Inspect and repair as needed
	Tight tie rod ends and drag link sockets	Inspect rotational torque and replace as needed