

Auger System Check Sheet

| Problem | Probable Cause | Remedy |
|--------------------------------------|---|---|
| 1. Auger will not turn | <p>1. Broken pump drive belt</p> <p>1. Solenoid valve not operating</p> <p>1. Drive Chain Broken</p> <p>1. Key broken or missing at Sprocket/Drive Motor.</p> | <p>1. Turn it off</p> <p>2. a. check for loose wires b. check for a bad switch (does engine rev. up?) c. Valve spool not shifting, See service bulletin #1-81 and 1A-81. Clean or replace the cartridge d. Electromagnet coil burned or shorted out, replace coil.</p> <p>3. Remove inspection cover and inspect. If needed, replace Drive Chain (or link) See page SVC 8</p> <p>4. Turn Auger Switch ON. See if motor shaft runs. If needed, replace the Key or Sprocket.</p> |
| 2. Tight Spot on Auger | <p>2. Lube the shaft and bearing, drive shaft</p> <p>2. Hydraulic pressure too low.</p> | <p>1. Reverse the hoses to the drive motor and run the auger in reverse direction for a few minutes.</p> <p>2. Check Hydraulic pressure adjust relief valve to 900-900 PSI</p> |
| 3. Auger runs when the switch is OFF | <p>3. Switch on the other operator console is on.</p> <p>3. Bad Switch</p> <p>3. Solenoid valve spool not shifting</p> | <p>1. Turn it off</p> <p>2. Replace Switch</p> <p>3. Clean or replace the cartridge, see service bulletin #1-81 & #1A-81</p> |
| 4. Auger runs too slow | <p>4. Engine Throttle not advancing</p> <p>4. Engine Speed too low.</p> <p>4. Reduce flow of Hydraulic Oil</p> <p>4. Excessive wear in pump.</p> <p>4. Chain drive binding</p> <p>4. Solenoid valve spool only shifting part way</p> <p>4. Excessive wear in Drive Motor</p> | <p>1. Paint or rust on throttle shaft and return spring a. Apply WD40 to throttle shaft move manually a few times to free up. b. Throttle solenoid not working. Check for loose wires or bad solenoid.</p> <p>2. Adjust engine "high speed" to 3500RPM.</p> <p>3. Hydraulic oil bypassing at the relief valve. Clean or replace the relief valve.</p> <p>4. Check pressure, adjust relief valve.</p> <p>5. Adjust chain tension</p> <p>6. Clean or replace valve cartridge. See Service Bulletin #1-81 & #1A-81.</p> <p>7. After all other parts check out OK, replace the motor.</p> |