

SCREW WASHERS

This troubleshooting guide does not cover all possible situations, but does represent the most common problem areas, causes, and recommended corrective actions to be taken when troubleshooting this equipment. Contact McLanahan Corporation if additional assistance is required.

1. MACHINE FAILS TO START

Probable Cause	Corrective Action
a. Electrical Malfucntion	a. Check electrical connections and/or circuit(s)
b. Oversized or hardened material present in Washer Box	b. Carefully remove material and check Screw Shaft for damage

2. MOTOR OPERATING, BUT SCREW SHAFTS ARE NOT ROTATING

Probable Cause	Corrective Action
a. Belts are worn or have failed	ALL-Inspect and replace
b. Sheave Key failure	
c. Bearing failure	
d. Reducer failure	
e. Screw Shaft failure	

3. BEARINGS HOT TO TOUCH

Probable Cause	Corrective Action
a. Inadequate lubrication	a. Inspect and increase lubrication
b. Bearing failure	b. Replace Bearing

4. PULLEY AND SHEAVE STALLS

Probable Cause	Corrective Action
a. V-Belts too loose	a. Inspect Belts and tension properly

5. RAW MATERIAL TOO DIRTY (COARSE MATERIAL WASHER)

Probable Cause	Corrective Action
a. Not enough scrubbing action	a. Add Paddles to Screw Shaft
b. Too many fines in material	b. Remove fines BEFORE feeding Washer, or add more water
c. Paddles are worn	c. Replace Paddles
d. Feed material contains plastic clay	d. Check into a Log Washer as a better piece of equipment to use

6. LOSS OF DESIRED FINE SAND

Probable Cause	Corrective Action
a. Too much water	a. Reduce water volume and/or adjust Weirs upward
b. Screw Shaft turning too fast	b. Reduce Screw Shaft speed

7. SCREW WASHER FILLING UP WITH FINE SAND

Probable Cause	Corrective Action
a. Screw Shaft turning too fast	a. Reduce Screw Shaft speed b. Add water