SAFETY

J.C. Steele and Sons equipment is designed to process large amounts of heavy products. To accomplish many of the required operations of our customers, high horsepower and heavy components are required. A great deal of time and effort has been invested into our equipment to make them as safe as practically possible. The safety features are no substitute of caution and common sense. A careless moment is all that is needed to cause a serious accident. Please refer to the machine’s Owner’s Manual for a detailed list of safety precautions.

GENERAL DESCRIPTION

This bulletin outlines the procedure to replace the pulleyshaft seal in the 90AD Extruder and the 90ABD Pug Sealer. Some pulleyshafts may still have the older garlock seals. This document provides instruction on both how to change out the previous seal with the current seal and how to replace the current seal.

SPECIAL TOOLS NEEDED

- Small center punch
- Silicone
- Light oil
- 5/16” threaded bolts
- Flat washers
MANPOWER ESTIMATE

This procedure will require 2 men for 8 to 10 hours, depending on maintenance state of equipment and ease of access.

PROCEDURE

1. Remove all air fittings from the shaft.
2. Remove the tailstand bearing and the bearing stand.
3. Remove the clutch, pulley, and pulley hub.
   - Remove the clutch first, and then remove the pulley and pulley hub as one unit, with a strap around the pulley/pulley hub center of mass, which is roughly in the center of the pulley.
4. For machines with old seal design: remove the 130X cover and discard.
5. Take the old seals or worn seals out.
6. Clean shaft of dirt and oil.
   - Notice if any scratches or nicks are on the shaft.
   - Notice where the old seals have run on the shaft.
   - All of these places should be made very smooth.
7. For machines with old seal design: install the new 130X cover using a ¼" bead of silicon in the corner of the flange.
➢ Ensure that the oil line fitting is at the bottom (this is opposite from the original position).

➢ The fitting and line length will be different. The line and fitting will be supplied with your new oil seal.

8. Ensure that the small weep hole on the outside of the new seal flange is positioned at or near the bottom of the cover, to the right or left of the seal retaining bolts.

9. Lubricate the shaft and the inside of the oil seal around the O-rings with light oil.

➢ This will help the oil seal slide easily onto the shaft with no damage to the O-rings.

➢ Use a small amount of silicone on the flange of the oil seal where the seal goes against the cover.

10. Gently press the oil seal over the shaft into the cover.

➢ Do not over-tighten these bolts or damage to seal will result.

11. Reassemble clutch components in reverse.