1. For safety, disconnect the electrical power supply to the machine whenever servicing.

2. Remove the protective cover from the gearbox (use a screw driver to pry off).

3. Remove the breather (filler) plug. Ensure the breather hole on the plug is clear of debris; test by blowing through the bottom of the plug, air should freely flow through. If not, clean as required.

4. Remove the bottom drain plug using an allen-key. Allow the oil to drain for a few minutes.

5. Pour some fresh oil into the filler hole and use the machine’s or a compressor’s blow gun inserted into the filler hole to flush out any remaining oil and sludge that may have accumulated in the bottom of the gearbox.
6. Re-install the drain plug and fill with new oil (use the correct quantity for your model as shown below).

   75W-90 gear oil (synthetic is recommended for longer life)

   Model 186 (any ratio) – 7 fluid ounces

   Note: The oil level window (if present) cannot be used as a reference because the gearboxes are mounted on an angle, the oil should always submerge the bottom half of the output shaft (the roller shaft). Overfilling slightly is acceptable, but excess oil may leak out the breather plug and/or cause damage to the gearbox seals.

7. Replace the breather plug and the protective cover. Reconnect the electrical power supply to the machine. The machine is now ready for operation.

8. It is recommended to replace the oil annually, or more frequently under heavy use or extreme conditions.