1. If oil is seen at the bottom of motor attaching screws (#44), oil seal (#11) needs to be replaced.
2. Disconnect power to hoist.
3. Drain oil from gearcase.
4. Disconnect L1, L2 and L3 wires at motor junction box. Label all wires. Remove 7 motor attaching screws (#44). Support motor to insure no damage is done to sleeve (#12). Pull motor from hoist.
5. Remove sleeve (#12) and motor key (#48) to access oil seal.
6. Remove oil seal (#11). **Caution:** Don’t use a sharp tool to remove oil seal. This can result in damage to the bearing’s cage. See tool note.
7. Use a cloth to clean surface of worm shaft (#7) and gearcase.
8. Place electrical tape over keyway of worm shaft (#7). This will protect the oil seal from the sharp edges of the keyway as it is slid into place.

**Diagram:**

- **OIL SEAL**
- **WORM**
- **TIMKEN BEARING (CUP)**
- **TIMKEN BEARING (CONE)**
- **OUTSIDE DIAMETER OF OIL SEAL**

**Partial Cross-Section of Worm, Seal & Bearing**
10. INSTALL NEW OIL SEAL TO THE DEPTH NOTED ABOVE. DO NOT USE ANY SHARP TOOLS TO PRESS SEAL IN PLACE.
11. INSTALL SLEEVE (#12) AND MOTOR KEY (#48).
12. ATTACH MOTOR ASSEMBLY AND CONNECT L1, L2 AND L3 PROPERLY.
13. FILL GEARCASE WITH 18oz. OF EXXON CYLESSTIC TK 680. ELECTROLIFT PART #DM7146.
14. CONNECT POWER TO HOIST.

TOOL NOTE: A TOOL MAY BE MADE FROM A 10-32 THREADED ROD. BEND A ROD TO FORM A ¼" HOOK ON ONE END. FORM A HOOK ON THE OPPOSITE END LARGE ENOUGH FOR ONE OR TWO FINGERS TO FIT INTO THE HOOK. SMOOTH EDGES OF THE TOOL. PROBING THE OIL SEAL YOU CAN FIND A WEAK AREA OF THE SEAL. PUSH THE TOOL PAST THIS AREA, HOOK AND PULL OIL SEAL TO REMOVE FROM THE SHAFT.