

**Troubleshooting Table - Pump**

| PROBLEM                                                        | POSSIBLE CAUSE                                 | REMEDY                                                              |
|----------------------------------------------------------------|------------------------------------------------|---------------------------------------------------------------------|
| Pump not delivering oil                                        | Low oil level in reservoir                     | Check oil level per instructions                                    |
|                                                                | Dirt in pump body                              | Disassemble pump body and clean all parts                           |
|                                                                | Ball check seats worn and not seating properly | Reseat required seats in casting                                    |
|                                                                | Reservoir overfilled with oil                  | Check oil level per reservoir instructions                          |
|                                                                | Check valve springs weak or broken             | Replace springs                                                     |
| Pump losing pressure                                           | Oil leaking past outlet ball seat              | Reseat ball seat                                                    |
|                                                                | Damaged or dirty control valve seat            | Reseat pressure control assembly and/or replace assembly            |
| Pump does not reach full pressure                              | Low oil level                                  | Check oil level per reservoir instructions                          |
|                                                                | Internal relief valve set too low              | Send to service center                                              |
|                                                                | Reservoir overfilled with oil                  | Check oil level per reservoir instructions                          |
| Handle raises after each stroke                                | Oil leaking past outlet ball seat(s)           | Replace ball and/or reseat                                          |
| Pump handle can be pushed down (slowly) without advancing ram. | The inlet check ball is not seating            | Check for dirt and/or reseat valve seat                             |
| Pump handle operates with a spongy action.                     | Air has been trapped in the line               | Set ram lower than the pump and extend and return ram several times |
|                                                                | Reservoir overfilled with oil                  | Check oil level per reservoir instructions                          |
|                                                                | Low oil level in reservoir                     | Fill to proper level and bleed the system                           |