



NORTHERN HIRE GROUP

Daily Pre-Start Checklist D150 Rapid Response Pump

1. Check these three oil levels daily:

- a) Engine oil.
- b) Air pump bearing housing oil.
- c) Flushing chamber oil.

2. Always drain water from the pump in cold weather when it is not running.

Drain:

- a) Pump body.
- b) Delivery valve chamber.
- c) Both sides of air pump

3. Do NOT run the pump if significant quantities of water escape through the exhaust valve of the air pump.

The air pump is designed to handle moisture laden air, but not to pump a high percentage of water. Refer to servicing instructions for further advice.

4. Do NOT run the pump if malfunction is suspected in any of its parts.

In particular, it must immediately be serviced if the level of oil in the flushing chamber varies daily, or if the oil becomes contaminated with the pumped fluid.

Please notify Northern Hire Group immediately if a malfunction is suspected.

5. A hose strainer should always be fitted to the free end of the suction line if there is a possibility of oversized solids entering the pump.

The dimensions of rocks, pebbles, etc. must not exceed 45mm. Larger soft solids, however, of the type found in abattoir duties, for example, will pass freely through the pump.

6. As loss of prime and indeed loss of on-stream performance can easily arise as the result of leaking pipe work joints, we recommend that all line fittings associated with the pump should be checked for air-tightness.

7. It is most important to use the correct fuel oil in the engine. Make sure that it is appropriate for the weather conditions (summer or winter) and that it is clean and free from water and foreign matter. Unsatisfactory running performance, excessive wear and damage can all result from the use of an Incorrect or contaminated fuel.

8. Check the tension of all nuts and bolts, especially those securing the engine and pump to the chassis.