

MAINTENANCE INSTRUCTIONS

To maintain your unit in peak working condition during its operable life it is necessary to carry out regular maintenance operations and replace worn or broken down parts immediately upon their failure. We suggest that a qualified service person carries out all maintenance and that original spare parts be used in effecting repairs to guarantee quality, reliability and longevity. **Failure to follow the above instructions releases the manufacturer from any responsibility in reference to injuries and damages to both persons and goods and may render any warranty given with the units void.**

Please find below a summary table of maintenance operation with a general description on how they should be carried out:

CHECKS TO BE CARRIED OUT BY THE USER

GENERAL

- 1) Power Cable (Each use)
 - a) Check power cable for cuts, abrasion or general damage each time the unit is used. If power cords plugs are damaged they must be replaced immediately (not repaired) by an authorised service person/ electrician.
- 2) Water connections/connectors/lines(Each use)
 - a) Check high-pressure hose, connectors and other connections for leaks.
 - b) Check inlet hose connections for leaks.
- 3) Performance (each use)
 - a) Check machine functionality (ie. operation, pressure etc.) and performance and make sure that everything operates as described in the operating instruction. Should any malfunction occur, stop operating the unit immediately and contact an authorised service person/agent. **Pay particular attention to the fact that there should be no burner ignition if there is no water flowing through the unit. Should any malfunction occur, stop operating the unit immediately and contact an authorised service person/agent**
- 4) Nozzle (every 50 hours)
 - a) Check and clean high-pressure nozzle (38). It is necessary in situation where dirty or contaminated water is used that the nozzle be cleaned more regularly.
- 5) Filters (Every 100 hours)
 - a) Check and clean diesel filter (64).
 - b) Check, clean and drain diesel filter (68). Replace every 1000 hours
 - c) Check and clean water filter (47) Replace every 1000 hours
 - d) Check and clean detergent filter (25).
- 6) Water and Detergent Lines
 - a) The unit should never be stored in areas where freezing conditions can occur unless all water has been expelled from all hydraulic lines (ie. inlet, pump, coil hp hose etc) and detergent lines or an appropriate anti freeze solution has been circulated in the above lines; contact your service agent for appropriate instructions. Failure to follow the above guideline will result in great damage occurring to the unit.
 - b) Keep detergent line clean (23,25,78,) and make sure it is regularly flushed especially if the machine is not used regularly.

PUMP

- 1) Oil
 - a) Check the oil level in the pump either using the dipstick or through the oil sight glass in the back of the pump. Minimum oil level is at lower edge of red circle on sight glass or lower notch on dipstick while maximum oil level is at upper edge of red circle on sight glass or upper notch on dipstick. If oil reservoir needs replenishing only use oil of a type as listed in the data sheet in this instruction manual.(Only use SAE20 W 30 oil)
 - b) Check that oil colour has not gone milky. If so do not operate the unit and contact an authorised service agent/centre immediately.
 - c) Replace the oil after the first 50 hours of operation and every 500 hours after first change or once per year. To replace the oil remove oil plug C and oil dipstick B and let oil fall into container until completely drained. After oil has completely drained replace oil plug C and refill using only SAE 20 W 30 oil until mark on sight glass A or oil dipstick B has been reached. Dispose of waste oil according to local regulations and standards.
- 2) General
 - a) If the unit has been left unused for long periods of time before restarting the unit a few drops of oil should be placed on the pump vents to lubricate the seals at start up. (Note that not all pumps are fitted with these vents)

