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START UP & GENERAL MAINTENANCE PROCEDURES

BEFORE OPERATION:

It is imperative that all proper safety equipment be used whenever machine is running. This includes any guards as well as personal protection equipment.

PUMP:

Check the oil in the pump every 30-60 days, using either the dip stick or sight glass. The pump oil must be changed after the first 50 hours of use for a “break-in oil change”. Following the break-in period, change oil annually or every 100 hours. Oil with a milky appearance is a sure sign that water has gotten in the crankcase and the oil must be changed immediately. **Use 30-WT Non-Detergent oil.** (Under normal operation the pump does not burn or use any oil.)

BURNER:

Provide the unit with **clean** fuel to run the burner, either #1, #2 diesel or kerosene. (Most people run #2 off – road diesel.) To prevent burner problems use clean filtered fuel and change the diesel filter annually or every 100 hours.

ELECTRIC MOTOR or ENGINE:

Electric Driven Diesel Fired: Provide unit with properly grounded power, on a circuit rated for the necessary amperage. (Typically 220VAC / 30 Amps)

Gas Engine Driven Diesel Fired: Provide the correct fuel to power engine. Check the oil level with dip stick. Refer to owner's manual for recommended oil and oil change cycle.

Also, be sure the water supply to the washer is turned on before start up of the machine.

DURING OPERATION:

***The #1 thing to remember while operating ANY pressure washer is to NOT leave the trigger off with the machine running for more than 1-2 minutes at a time.** When the trigger is let off the pump goes into a “bypass” mode. By friction water will start heating up in the head of the pump therefore eventually causing pressure failure and unnecessary pump wear.

HOT WATER / BURNER:

While using the hot water option it is necessary to “cool down” the machine when done with hot water. (Turn burner switch off and simply run water through the system for 2-3 minutes allowing the machine to cool down)

SOAP:

If you run soap through the pump under high pressure be sure to shut off the valve and rinse all the soap out of unit. It is recommended to put the soap hose in a bucket of water (or float tank) and rinse all the soap out of the soap line and valve assembly. (This will prevent a scum or scale build up)

AFTER OPERATION:

WINTERIZING UNIT:

When it comes time to store your machine, whether summer or winter, it is recommended to run antifreeze through the entire system. (You may use regular straight RV antifreeze or 50/50 solution of car antifreeze.) Running antifreeze through the system gives the pump some “healthy lubrication” as well as prevents the system from freezing if it is exposed to freezing temperatures.