Maintenance/Winterizing of Spraying Equipment

ENGINE:

- Check oil level EVERY DAY.
- Change oil after 50 hours of use.
- Use SAE 30 high quality detergent oil classified for service SE, SF, or SG.
- Change or clean air filter every 25 hours.
- Replace or clean spark plug every 100 hours.

— *If you have questions, always refer to your owner's manual or call your local engine dealer.*

PUMP (DIAPHRAGM STYLE):

- Change pump diaphragms and oil for every 500 hours or 3 months of use.
- Flush pump after every use.
- Use NON-DETERGENT SAE 30 weight oil or new specially formulated Hypro pump oil.
- Check oil in pump and gear reduction every day.
- Replace oil in gear reduction every 500 hours, use SAE 80W-90 gear lube.

SPRAYER PARTS:

- Clean line strainers daily.
- Be sure to remember not to lose the strainer bowl gasket. It is always a good idea to keep an extra gasket, screen and strainer bowl on hand.
- Lube strainer gasket with petroleum jelly to aid in seating.
- Repair leaks as soon as they are noticed to avoid excessive fluid loss.

HOSE REEL:

- Check alignment of drive motor sprocket and reel sprocket. If out of alignment, realign or take to a qualified reel repair center.
- Oil chain weekly with a light coat of chain lube, available in aerosol spray cans at most auto parts stores.
- Check reel bearings for wheel bearings for wear and keep oiled. This allows hose to reel out evenly and cause less strain on the reel motor when rewinding hose.

TANKS:

- Clean tanks weekly, inside and out. Household ammonia works well; use ½ gallon ammonia to 25 gallons water. There are the other products on the market, among them is Tank Clean. Ask your chemical dealer for the other available tank cleaning products.

WINTERIZING:

- Before storage, triple rinse your sprayer. Fill tank ¼ to ½ full for each rinse. Clean tank as mentioned above. Mix 10 gallons of 50/50 mixture of water and antifreeze. Be sure to run it through the hose reel and handgun. Hold handgun valve in ON position until 50/50 mix comes out. (100% RV antifreeze may also be used.)
- If sprayers are not properly rinsed, the chemical residue can damage costly parts of your sprayer and decrease the operational life.

Engine:

Top off/fill fuel tank, using ethanol free, high octane fuel.

- Add fuel stabilizer.
- Run engine with fuel valve off.
- Allow engine to run out of fuel.
- Shut off ignition switch.

— *This process burns off all the fuel in the carburetor to help prevent varnishing of fuel in the carburetor. Having fuel valve off during storage also helps to prevent fuel leaking into the crank case.*

Reminder check/change oil in the spring:

- Proper oil level.
- Color — if Black or Hint of white (condensation) — Change Oil.
- 20 oz. for 160 CC (5.5 HP) to 200 CC (6.5 HP) engines.

By following these preventative maintenance recommendations, your sprayer should operate smoothly for many years!

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