

piers etc.) momentarily shift to Forward, turn the wheel hard over in the desired direction, then shift back to Reverse. With a little practice this maneuver makes the Turbocraft considerably more responsive than most rudder steered craft while in reverse.

### III. ENGINE MAINTENANCE

Your engine manual contains more detailed information concerning maintenance in general, so this section will deal more closely with maintenance of the engine as a source of power for your Turbocraft.

#### A. "Break-in"

All Turbocraft installed engines have been run in while coupled to a Jet Unit for short periods. The valves have been adjusted for proper clearance, head bolts torqued down and the water cooling system and instrument wiring checked.

During the first 10 hours of running time advance the throttle to full RPM to bring the Turbocraft up to plane, then retard the throttle enough to reduce the RPM's approximately 10%, giving only occasional bursts at full throttle. After the "break-in" period drain the crankcase by suction pump and add new oil up to the full mark on the crankcase dipstick. The engine will now be in top operating condition.

#### B. Miscellaneous

##### 1. Oil

Use a good grade of S.A.E. # 30, a lower viscosity if warranted by cold weather to make starting easier. Change the oil every 50 hours of running time. (Refer to your engine manual.)

##### 2. Water Flow

Water for cooling the engine, as mentioned before, is supplied by the Jet Unit and leaves the Jet Unit just aft of the transom, passes through one or more auxiliary water filters, thence to the engine block, through a thermostat and directly into the engine exhaust. The auxiliary water filter, or filters if your Turbocraft is an earlier model, must be kept clean in order for the engine to operate at normal running temperatures. Each Turbocraft owner must determine how often the filters should be checked, depending directly on what type conditions are encountered, such as weeds, scum etc. An unusual rise in engine temperature nearly always is the result of a clogged filter.