

Break-In Procedure

During the first 10 hours of break-in operation you **must** use a **50:1** fuel/oil ratio in your fuel tank in addition to the operation of the **VRO²** Oil Injection System. After the 10-hour break-in period, check to see that the oil level in the **VRO²** tank has changed, indicating that oil has been used before using unmixed gasoline in the fuel system.

If the **VRO²** system is disconnected, you **must** use a 25:1 fuel/oil ratio in the fuel tank for the first 10 hours.

To help ensure long engine life and prevent serious engine damage, using additional oil in the fuel is **mandatory** during the first few hours of operation of:

- a new engine
- a used engine with a new powerhead
- a used engine with a newly rebuilt powerhead

Note **DO NOT** operate motor out of water. Water pump can be damaged or engine can overheat.

First 10 Minutes

- Operate engine at fast idle **ONLY**.
- Verify water pump operation by looking for a steady stream of water at the water pump indicator.

Next 50 Minutes

- **DO NOT** operate engine above half throttle (no more than 3500 RPM).
- **DO NOT** hold a constant throttle setting. Change engine speed every 15 minutes.

Note With easy planing boats, use full throttle to quickly accelerate boat onto plane. Immediately reduce throttle to one-half as soon as boat is on plane. **BE SURE** boat remains on plane at this throttle setting.

Second Hour

- Use full throttle to accelerate boat onto plane, then reduce throttle setting to three-quarters. **BE SURE** boat remains on plane at this throttle setting.
- At intervals, apply full throttle for periods of one to two minutes, returning to three-quarters throttle for a cooling period.
- Change engine speed every 15 minutes.

Note Verify water pump operation by looking for a steady stream of water at the water pump indicator.

Next Eight Hours

- Avoid continuous full-throttle operation for extended periods.
- Change engine speed every 15 minutes.
- **DO NOT** exceed recommended maximum engine RPM. Refer to **Specifications**, this Section.

Note Retorque cylinder head screws after engine break-in period. Retorque after engine has been run and cylinder heads have cooled to the touch.