Winterizing Worksheet

Winterizing your boat requires planning and some effort on your part. Plan ahead. The page below has two purposes: It will jog your memory when you're gathering everything together—fogging fluid, antifreeze, etc.—before winterizing. And it can also be used long after the job is completed, should doubts arise, to reassure yourself that everything that should have been done was done. Tip: Give yourself enough time to do the job properly.

Boat's Name: ________________________
Your Name: ________________________
Marina Telephone: ________________________

<table>
<thead>
<tr>
<th>List All Equipment Needed to Lay-up Boat</th>
<th>Equipment Stored Ashore</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product</strong></td>
<td><strong>Equipment</strong></td>
</tr>
<tr>
<td>---</td>
<td><strong>Storage Location</strong></td>
</tr>
<tr>
<td>Non-toxic Antifreeze</td>
<td>Electronics</td>
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<tr>
<td></td>
<td></td>
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<tr>
<td>Engine Antifreeze</td>
<td>Dinghy</td>
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<td></td>
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<tr>
<td>Crankcase Oil</td>
<td>Outboard/Fuel</td>
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<tr>
<td>Fogging Fluid</td>
<td>Sails</td>
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<td></td>
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<tr>
<td>Plugs for Exhaust Ports</td>
<td>Galley Fuel</td>
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<td></td>
<td></td>
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<tr>
<td>Fuel Additives</td>
<td>Ship's Papers</td>
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<td></td>
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<tr>
<td>Extra Lines</td>
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<tr>
<td>Chafe Guards</td>
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<tr>
<td>Storage Cover/Supports</td>
<td></td>
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<td></td>
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<tr>
<td>Tools (Including an Oil Drain Pump and a Container)</td>
<td>Other</td>
</tr>
<tr>
<td></td>
<td></td>
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<tr>
<td>Have Fuel Tanks Been Topped Off? □</td>
<td></td>
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</tbody>
</table>

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Boats Stored in the Water

Indicate Location and Whether Thru-Hull Is Closed and Double-Clamped

<table>
<thead>
<tr>
<th>Thru-Hull Location</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Closed □</td>
<td>Closed □</td>
</tr>
<tr>
<td>Double-Clamped □</td>
<td>Double-Clamped □</td>
</tr>
</tbody>
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Rudder and Stuffing Box Tightened □

Is boat level to prevent damage from pooling water? □

Is the boat adequately supported at bulkheads, engines, and keel? □

If boat is on jack stands, are the stands chained together beneath with plywood beneath the base? □

Seaworthy. October 2004 13

Courtesy of Flotilla 3-13

Eight Western Rivers

Google “Flotilla 3-13”
Winterizing Your Engine: Inboards

The only items you will need, other than your engine’s normal lubricants are:
- an aerosol can of fogging oil
- a fuel stabilizer (gasoline engine) or a fuel biocide (diesel engines),
- a gallon or two of non-toxic propylene glycol antifreeze

☐ Change coolant – fresh-water cooled engines only
☐ Change oil in engine and transmission
☐ Top-off fuel tanks and add biocide – diesel engines only
☐ Run engine out of fuel – gasoline engines only
☐ Fog the intake - gasoline engines only
☐ Drain fuel tank and supply lines – gasoline engines only
☐ Flush raw-water circuit
☐ Protect raw-water passages – raw-water cooled diesel engines only
☐ Remove raw-water impeller
☐ Fog cylinders – gasoline engines only
☐ Fog intake – diesel engines only
☐ Drain muffler canister
☐ Degrease, derust, touch-up
☐ Grease control cables
☐ Coat unpainted parts with an anti-corrosion spray
☐ Tighten stuffing box

Stern Drives:
A stern drive is, in principle, an inboard engine married to an outboard drive system. If your boat has a stern drive you will need to follow the inboard list for protecting the engine, but add to that several items from the outboard list for protecting the lower end. An additional requirement is filling the drive shaft housing with the appropriate lubricant. Remember that a stern drive needs to be in the full-down position for draining the water passages and for checking or adding gear lube. Store it in the down position.
Winterizing Your Engine: Outboards

The only items you will need, other than your engine’s normal lubricants are:
- an aerosol can of fogging oil
- a fuel stabilizer (gasoline engine) or a fuel biocide (diesel engines).

☐ Freshwater flush
☐ Empty fuel lines and carburetors
☐ Fog the carburetor intake(s)
☐ Drain cooling passages
☐ Fog the cylinders
☐ Lubricate linkages and the electric starter drive mechanism
☐ Drain and refill gearcase
☐ Touch up damaged paint
☐ Drain fuel tank and supply lines
☐ Stabilize the fuel
☐ Clean and liberally lubricate propeller shaft
☐ Store upright
Winterizing Checklist

Equipment:
- Non-toxic antifreeze
- Engine antifreeze
- Crankcase oil
- Lower unit fluid
- Fogging fluid
- Engine water pump impeller
- Plugs for exhaust ports
- Fuel additives
- Extra line
- Chafe guards
- Storage cover/supports
- De-humidifying chemicals
- Cleaner/anti-corrosion spray
- Tools
- Have fuel tanks topped off

Boats Stored Ashore

☐ Is boat level to prevent damage from pooling water?

☐ Is the boat adequately supported at bulkheads, engine, and keel?

☐ If boat is on jackstands, are the stands chained together with plywood beneath the base?

Equipment Stored Ashore:

- Electronics
- __________
- __________

- Dinghy
- __________
- __________

- Outboard/Fuel
- __________
- __________

- Sails
- __________
- __________

- Galley Fuel
- __________
- __________

- Ship’s Papers
- __________
- __________

- Bimini
- __________
- __________

- Battery
- __________
- __________