



CLEAN AND SAFE AT SEA

A few tips to boat owners

**VOLVO
PENTA**





Enjoying life at sea requires that we all protect the environment and ensure that we can rely on our own and others' ability to deal with the situations that arise. Good seamanship involves both safety and environmental care.

This brochure contains a number of tips to contribute to a cleaner, safer and better boating life.

Ship ahoy!



DRIVE ECONOMICALLY

Every boat model has an economy speed, or cruising speed. For planing boats, this speed is just above the planing threshold. It is therefore best to reach the planing threshold rapidly, then maintain your cruising speed. Be sure, however, to take into account the prevailing visibility and local conditions.

CHECK YOUR ENGINE

It pays to service your engine regularly. Operating reliability increases and you save on fuel.

Here are a few simple tips:

- Use the correct fuel.
- Check/change oil, fuel and air filters and engine oil.
- Incorrect timing and old sparkplugs increase fuel consumption by several percent.
- Clean and adjust injectors in diesel engines.
- Adjust idle.
- Immediately repair any oil, fuel or coolant leakage.
- Follow the service instructions in the operator's manual.



LOAD AND SIT PROPERLY

The load in the boat affects fuel consumption and the boat's seagoing performance. Here is some advice:

- Distribute cargo and passengers so that the boat is evenly balanced.
- Be sure to “tie down,” that is, stow or secure items that could shift around when the boat is moving.
- Seat passengers in the boat so that no one is injured in the event of sharp turns or rapid changes in speed.
- Keep in mind that fast motorboats can reach speeds equal to 50–70 kph.

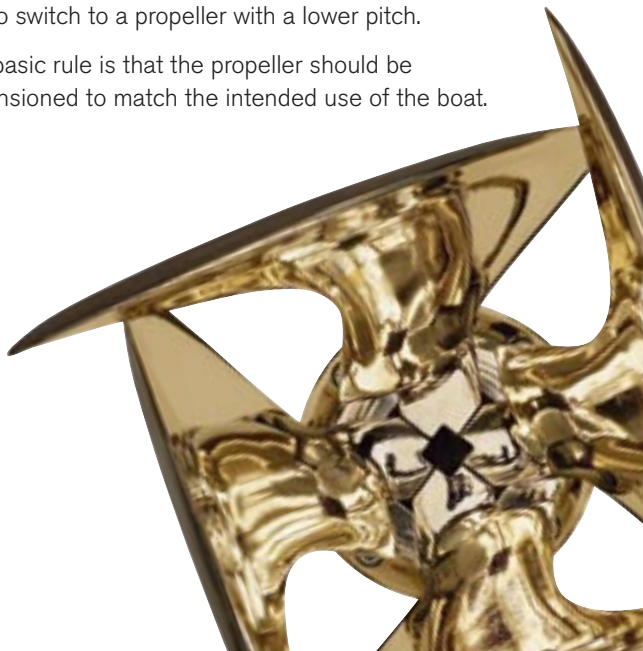
The person responsible for the boat is responsible for safety on board.



CHOOSE THE CORRECT PROPELLER

A boat that is fully fueled and packed with normal vacation equipment can easily lose 2-3 knots at top speed compared with a normally loaded boat. The reason is that the original propeller is often intended to provide high speed with a moderate load. Accordingly, it could pay to switch to a propeller with a lower pitch.

The basic rule is that the propeller should be dimensioned to match the intended use of the boat.







ENJOY ...





KEEP THE HULL CLEAN

An encrusted boat hull increases fuel consumption and adversely affects top speed and acceleration. A number of cleaners and methods to avoid this are being developed. Many hull paints contain toxic substances. Your local environmental authorities can provide information about what is permitted.

Always use the amount of paint recommended by the paint manufacturer. Always clean the hull, drive and propeller several times during the season – both you and the environment benefit.

DON'T LITTER

Naturally, all refuse must be returned to land and deposited in garbage cans or other waste containers, or at recycling stations. The boat toilet must be emptied at the proper facilities in the harbor.



DISPOSAL OF HAZARDOUS WASTE

Each year, the boat season begins with plastic spackling, painting and hull cleaning at boat clubs and marinas. Unfortunately, many of the chemicals we use are environmentally hazardous. All municipalities and marinas have collection stations for hazardous waste.

Take a trip to the waste station now and then with your collected and sorted hazardous waste. This small effort is a big service to nature. A list of hazardous waste substances is provided in your operator's manual.

REDUCE NOISE

Engine noise can be a disturbance in nature and for many sensitive animal species. By reducing speed slightly, you can reduce noise and contribute to even better boating, for people, nature and the environment.

Always use current charts that provide information about locations where you should take extra care – or which you should completely avoid.



REDUCE EMISSIONS

Combustion engines are not good for nature. We know that. We work continuously to reduce emissions by developing newer and cleaner engines. But you can also help. Service your engine regularly and avoid unnecessary idling and frequent rapid acceleration.

Choose the best environmental alternative when you refuel. Always check that the fuel is correct for the engine. Avoid spilling fuel.

Remember that modern engines are much cleaner than their predecessors.

BACKWASH AND WAKES

The backwash and wake after a boat can create major problems. It is therefore important to keep to speed limits and adjust your speed to reduce the wake.

Planing boats create the largest wake at speeds just prior to planing. Accordingly, avoid this speed interval in narrow channels.



BE CONSIDERATE

Areas around lakes and at sea are sensitive natural areas. Nesting birds become stressed by dogs running loose and if people come too close. The interaction between man, animals and nature should be based on responsibility and consideration.

Respect prohibitions against going ashore. Show good seamanship.

BEFORE YOU CAST OFF

Traveling across open waters is a nature experience that places demands on the know-how and insight of those responsible on board. Boat clubs, study circles and other associations offer various forms of training and courses.

Always remember:

- Check the weather. And don't forget that the weather can change quickly.
- Inform relatives or friends on land where you are going. Ensure that you have sufficient fuel and water.
- Have the proper safety equipment on board.
- Last but not least – wear your life-jacket.

**VOLVO
PENTA**

www.volvopenta.com