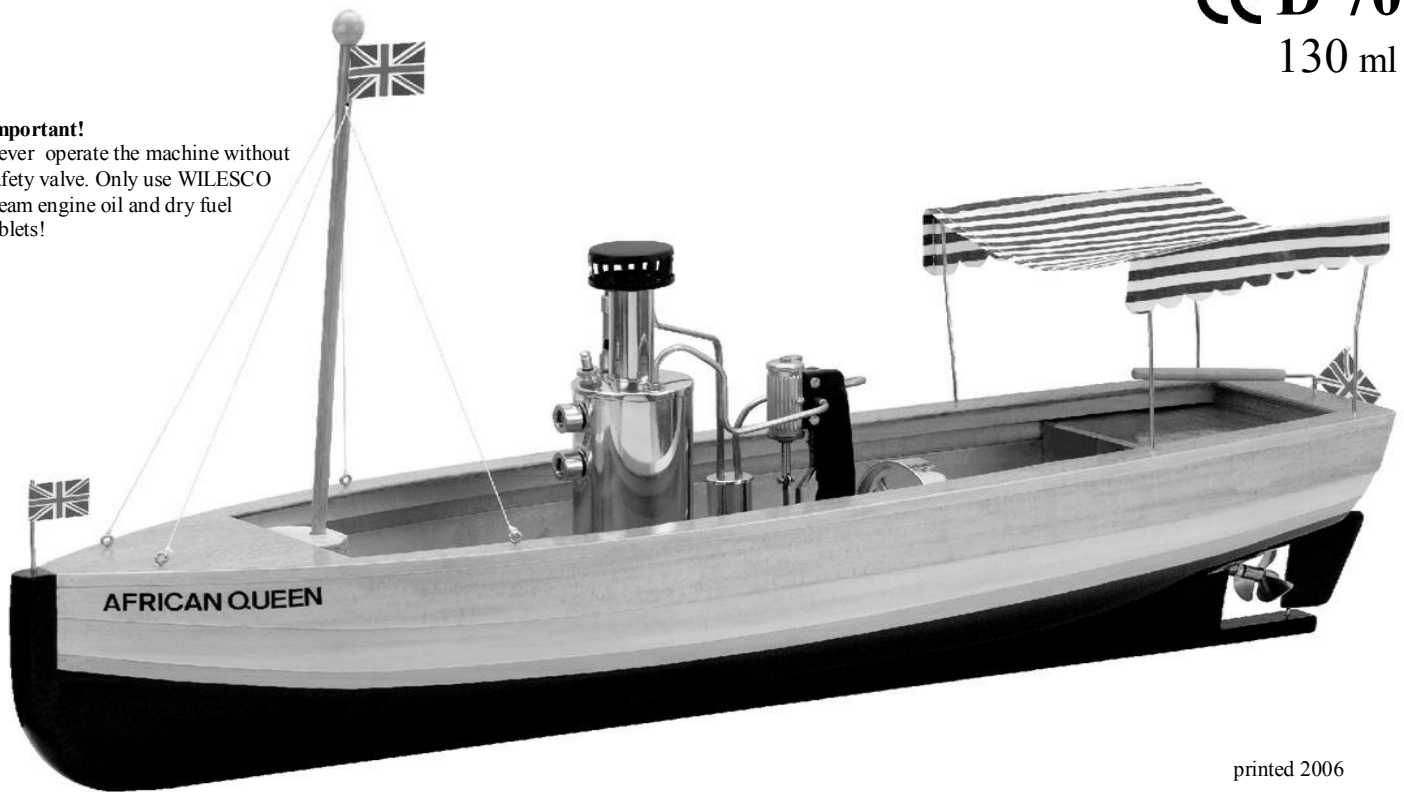


Important!

Never operate the machine without safety valve. Only use WILESCO steam engine oil and dry fuel tablets!



printed 2006



Caution! Important information and safety precautions!

1. For safety reasons, children should only use the Steam Engine under supervision of adults (recommended age: from 14 years). While the Engine is running and until the complete cooling, the Steam Engine must be under constant observation.

2. Each irregularity in the course of the running of the Steam Engine has to be carried out only by a competent and authorized person or by WILESCO themselves. Otherwise any guarantee expires.

3. Any unauthorized alteration, repair or manipulation to the standard specification will also invalidate the guarantee unless the damage is a production fault.

4. The parts which are under steam pressure, as boiler, spring loaded safety valve etc. leave our premises only after a 100% control. The spring loaded safety valve has not to be misplaced. **The running of the Steam Engine without any spring loaded safety valve is not authorized.** The spring loaded valve must be checked before each running with a pression on the spring or a small pull on the upper valve rod. If lime residues through hard water are on the spring loaded valve, the valve must be changed immediately.

5. **High temperatures:** the principles on which your Steam Engine operates mean that the burner tray, the boiler, the boiler housing, the spring loaded safety valve, the steam pipes, the chimney etc. become very hot. Do not touch in order to avoid the risk of burns.

6. **Safety precautions:** While the steamship is running, take care that children do not touch any of the moving parts.

7. **Danger if the boiler is heated without enough water!** Always ensure that the Steam Engine has enough water in the boiler while running. It is recommended to refill water when adding new dry fuel tablets. **The water must be visible always at least at the lower water gauge,** otherwise the joints become leaking and the boiler will be destructed. Any following claim, damage or consequential damage cannot be accepted. If a leak occurs in the boiler or any other part where water or steam escape, **stop the Steam Engine immediately** (remove the burner tray). Any necessary repair should only be carried out by authorized trained staff or at the WILESCO factory.

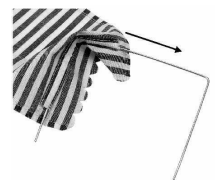
8. The Steam Engine meets all safety standards and requirements. Every boiler has been submitted to a bursting pressure and water test of 5 bar. The operation pressure is up to 1,5 bar.

9. Please keep the instructions in a safe place.

10. Before the African Queen can set sail, some parts have to be mounted on it. Please follow the pictures and their description.

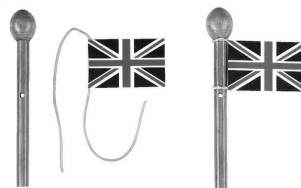
a. Roof

Push the brackets through the pockets of the cloth roof. The narrow sides of the cloth roof have to be located on the snapped side of the roof bracket.



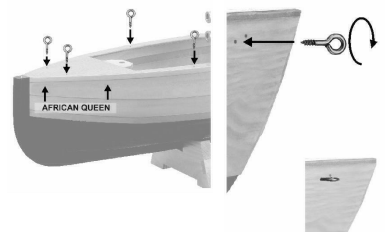
b. Flags

Fix the big flag on the mast according to the picture, perpendicularly to the hole underneath.



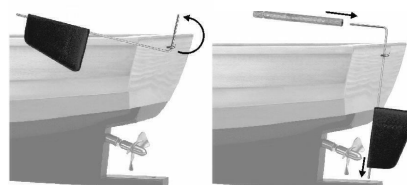
c. Fixation eyelets and name plate (African Queen)

Screw 4 fixation eyelets in the holes planned for them in the bow. Screw one fixation eyelet at the rear of the ship so that it is horizontal. Put the name plates "African Queen" 5 - 10 sec. in water and then on the bow according to the picture.



d. Helm

Push the helm through the eyelet in the rear and push it in the hole behind the ship's propellor. Then push the wooden tiller on the helm linkage. We advise you not to stick too firmly because this has to be removed if the steamship is fitted in future with a remote control.



e. Steam whistle and chimney

First of all fit the steam whistle in the hole opposite the steam pipe. Tie up only with the spanner provided with the boat. Do not tighten by turning the lever as this will be damaged. When you screw in the steam whistle, the lever with the chain should point outwards (use seals if necessary) so that the chain operating the whistle does not come in contact with the boiler. Pull the chain gently to operate the whistle.



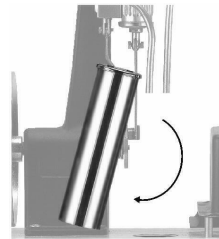
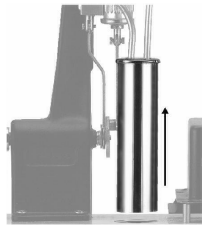
steam pipe from the cylinder is leading also in the condenser.

Note: The steam whistle can be used to check any overpressure in the boiler or before oiling to check whether the boiler is still under pressure. Then fit the chimney on the chimney pipe. Please watch that the exhaust steam pipe integrated in the chimney is in direction of the condenser (see point f). The exhaust



f. Installation of the condensate tank

Raise slightly and carefully the exhaust steam pipe coming from the cylinder, place the condensate tank in the sinking planned for it in the wooden board and put the exhaust steam pipe in one of both holes which are in the cove of the condensate tank. Put the exhaust steam pipe leading to the chimney in the other hole of the condenser.



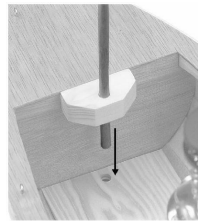
g. Mast and rigging

Put the flagpole in the guide planned for it and turn it so that the flag shows backwards.



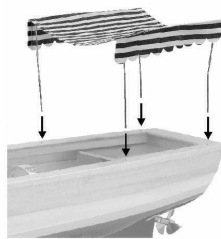
h. Mounting of the mast

Fix the mast cords according to the picture to one of the eyelets, pull it through the hole underneath the flag and fix it on the corresponding eyelet on the other side of the mast. Repeat this procedure with the second mast cord.



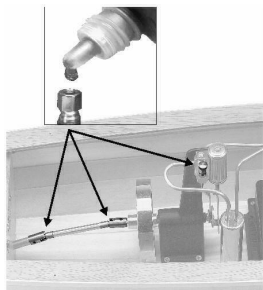
i. Roof and flags

Place the roof in the holes planned for it in the rear. Please watch that the bent roof girders have to be placed in the rear holes. Two holes, one in the bow and one in the rear of the ship, are for both flags.



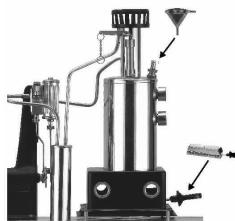
11. Initial operation

To oil the cylinder: There must not be any steam pressure in the boiler. Check it by operating the steam whistle. Only then turn off the oil filler screw and fill WILESCO Steam Engine Oil (item nr. Z 83) while turning the flywheel several times so that the oil is drawn in. Oil again when you refill fuel tablets so that the piston does not seize (2-3 drops oil are enough for approx. 10 mn running time). Oil lightly all of the bearings, linkages and the shaft. Before refilling the boiler with water, check by operating the steam whistle if no steam pressure is in the boiler.



Unscrew the spring loaded valve and fill the boiler with the funnel approx. to the 3/4 (upper water gauge), if possible with warm water. The funnel should raise slightly so that the air can escape from the boiler. Use only deficient in lime water or, better, water without any lime e.g. distilled water.

Place two layers of dry fuel tablets in the burner slide



(the lower tablets flat and the upper tablets on their sides, no more than 3 pcs.). Then light the tablets. Use only the original WILESCO burner slide. **Caution: Because of the risk of danger from an open flame, always take the necessary safety precautions.**

The burner slide is adjustable. The oxygen supply and the flame height can be adjusted by moving the burner slide in relation to the air holes. Before adding new dry fuel tablets, always check the water level and refill the boiler with water to ensure that the boiler does not run dry. The ratio of fuel tablets to the quantity of water in the boiler is designed so that the boiler cannot run dry without any added fuel tablets. **Important: After the heating process, remove the burner slide from the guide whilst it is still warm**, otherwise unburnt fuel may cause the slide to stick. If the slide becomes stuck, it can be removed by tilting it slightly to the left and right.

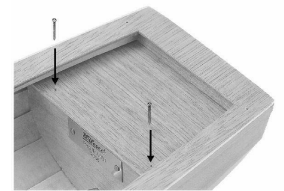
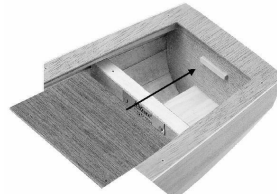
To prevent unpleasant smells, the fuel tablets should be completely burnt out - they should not be blown out. If there is not enough water in the boiler, place the burner slide on a metal plate until the tablets have burned out completely.

Danger if the boiler is heated without enough water!

Always ensure that the Steam Engine has enough water in the boiler while running. It is recommended to refill water when adding new dry fuel tablets. **The water must be visible always at least at the lower water gauge**, otherwise the joints become leaking and the boiler will be destructed. Any following claim, damage or consequential damage cannot be accepted. If a leak occurs in the boiler or any other part where water or steam escape, **stop the Steam Engine immediately** (remove the burner tray and operate the steam whistle). Any necessary repair has to be carried out only by authorized trained staff or at WILESCO.

12. RC steering

There is a small room in the rear area of the ship for the RC steering. After having removed both pins, you can pull the wooden board forwards. You can mount in this area a standard RC steering which can steer the rudder.



13. After the use of the Steam Engine and its cooling, the Engine should be serviced. Pour out any water left in the boiler. For this, unscrew the spring loaded valve and take off all of the loose parts before tipping over the model. **Be very careful if the water is still hot!** Any water left in the boiler cannot do any damage, but might leave sediment on the water gauge. Any lime formation on the water gauge or in the boiler have not to be **removed in any case using vinegar or corrosive agent** (advise: use a lime dissolving agent which does not attack the brass and the solder). The building of soot on the lower side of the boiler does not influence the function and can be removed with a brush. Finally, dry the model using a clean cloth.



14. Storage of the boat

Wood is a natural product. In order to maintain the value of the steamship, this should be stored at room temperature and at a relative humidity of 40 - 70 %. In case of direct solar radiation the wood can change colour.

Guarantee:

15. All WILESCO Steam Engines are carefully checked before leaving the factory. However if a problem arises, we will be help you or carry out repairs. You can return the steamship to a specialized distributor or directly to WILESCO. **We are sure you will understand that already fired or used models cannot be exchanged for new ones.** The most frequents claims are leaking boilers. The solder will be destroyed if it is not enough water in the boiler. In such cases, the solder liquefy drop-shaped and the boiler becomes leaking. This is an obvious proof that the boiler was fired without enough water. **Please watch always carefully the water level because the heating without adequate water level excludes any demand for guarantee.**

This model is only meant for the above described function.

Technical data can be amended without prior notice.

The WILESCO-Team wishes you a lot of pleasure with your Steam Engine and "weigh the anchor!"