

# TYR – capsized/loss – 11. july 2008

## Résumé

In connection with sea trials on Friday the 11<sup>th</sup> of July 2008, a large motor yacht was being towed from the building yards (AROS Maritime A/S) floating dock.

The tow consisted of two minor tugs, THOR and TYR and the motor yacht WATERLILLY. From the floating dock WATERLILLY was to be swayed 180° and subsequently to be towed into a specified position and released from the tow.

As the sway was completed the master of WATERLILLY engaged the propellers. This caused TYR to be pulled abeam and to capsize.

The crew on TYR fell overboard but they were rescued immediately after.

## Conclusion

It is the opinion of The Division for Investigation of Maritime Accidents that the accident occurred due to:

- Inadequate safety planning of the tow manoeuvre.
- Imprecise communication between the master of WATERLILLY and the master of TYR.
- The master of WATERLILLY engaging the propellers while still connected to the tow.
- The master's (of WATERLILLY) lack of experience and knowledge with azimuth propulsion.
- The manoeuvring system for the azimuth propulsion plant not functioning as expected by the master of WATERLILLY.
- Inappropriate changes to the quick release mechanism on the tow hook of TYR

## Recommendations

The Division for Investigation of Maritime Accidents recommends that AROS Maritime A/S:

- Risk assesses and reviews the entire work procedure in connection with tows in and out of the floating dock, with the aim to raise the general safety level, among other things, concerning areas like:
  - The master's instruction in use of propulsion plant.
  - General planning
  - Communication
  - Safety instructions to the masters of the tugs.
  - Tugboats and safety equipment.
- Ensure that tow hooks are constructed in accordance with existing regulations.
- Order the tug boat crews to wear life jackets

*A report is available in Danish at the following link:*

[http://soefart.synkron.com/graphics/Synkron-Library/Sofartsstyrelsen/Publikationer/OKE/Rapporter\\_redegoerelser/2008/TYR%20-%20Redeg%F8relse%20-%2020080905.pdf](http://soefart.synkron.com/graphics/Synkron-Library/Sofartsstyrelsen/Publikationer/OKE/Rapporter_redegoerelser/2008/TYR%20-%20Redeg%F8relse%20-%2020080905.pdf)