



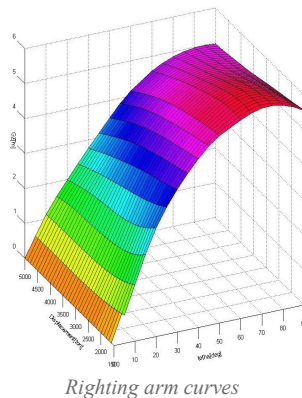
SafeTOW

Safety system for towing and anchor handling

HMC's SafeTOW is our safety system which offers a solution for stability aspects of vessels engaged in towing and anchor handling operations. With this safety system you have the ability to keep an eye on the tug's power and propulsion system during your operations.

Tug vessel propulsion

Tug vessels can have power ratings up to 20.000 [kw] and are highly manoeuvrable. Dangerous situations can occur when tugs are not in line with the forces on their tow line or when the tug is swung beam onto the towline. This happens usually by excessively high tow tensions. This phenomenon is known as 'girting'. These kind of accidents occur when the tow takes control of the tug. The tug can be towed sideways which might result in capsizing.



Stability of Tug vessels

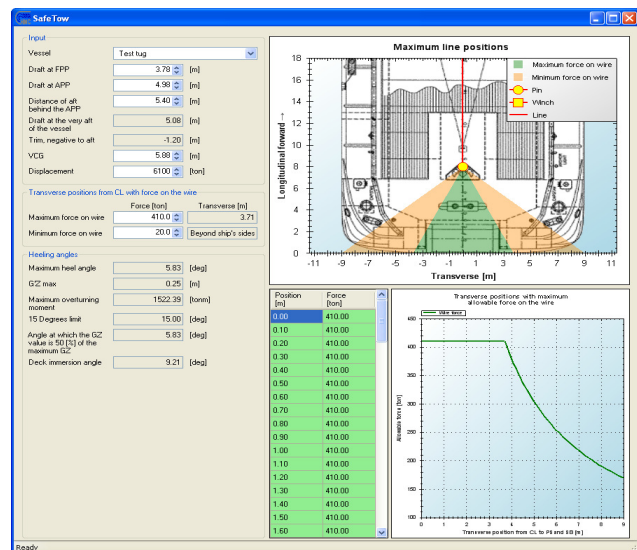
The stability range of a tug, when towing or anchor handling, can only be judged from its GZ curve. The reduction in a tug's range of stability (caused by the increase in the stern trim) is by far the most significant. When there are large amounts of thrust necessary it is often not possible to realize how close the tug is from capsizing. Tug vessels are powerful vessels, but can be thrown off when their own strength is used against them.

Why choose HMC's SafeTOW?

SafeTOW was developed through HMC's experiences in towing and anchor handling operations. The danger of capsizing cannot be underestimated. Officers only have minutes to recognise these situations which then is becoming irretrievable.

Information on HMC's SafeTOW safety card

HMC's SafeTOW safety card can be used at the bridge to keep an eye on things which could happen during towing or anchor handling operations. In advance we present all our measurements about your towing operation and assess the current towline force in relation with the lateral distance of the vessel's centreline which guarantee the safety of the vessel and the crew. At the moment we are working on the implementation of SafeTOW in HMC's Cargo Planning and loading Computer (CPC). These combined HMC products ensure the safety of the vessel and crew.



SafeTOW screenshot

For more information please contact us.

