

## Marine Safety Forum – Safety Flash 08-13

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Subject: Safe FRW Engine Testing

After maintenance of a Fast Rescue boat with Waterjet (FRW) cooling system, the FRW was launched for sea-trials. During sailing, the temperature of the engine was getting too high and the hatch to the FRW engine room was opened for inspection of the cooling system. While the engine was idling and the FRW was drifting in open sea (Hs 1 mtr), the AB lost his balance and tried to avoid falling into the engine room. However, his right hand hit the belt drive to the generator, his glove was caught by the belt and took a turn around the pulley. He was left bleeding heavily from the middle finger of his right hand, the bone was visible and he had severe pain in his other fingers. The FRW was recovered and first aid treatment started.

Actions Taken:

- As you can see from the pictures below (before and after), a safety guard has been erected around the rotating belt drive.
- A hose connection has also been made to the cooling system so that, in future, the system can be tested while the FRW is in the cradle on the mother vessel, involving less movement.

