

TG100 River Seal Installation for 6" (152mm) Shaft



September, 2012

Workboat Installed with TG100 River Seal

- Vessel name: *John 3:16*
- Owner: Marquette Transportation Company, U.S.A.
- 69' (21m) 1700 hp towboat built in 2002
- Twin screw - 6" (152mm) shafts
- Shipyard: New Orleans Shipyard



Shaft Preparation

- Yard repaired shaft by stainless steel clad welding
- Stern tube flange replacement with Adaptor Plate
- Yard does pump installation & water and air line piping to panel



Seal Installation

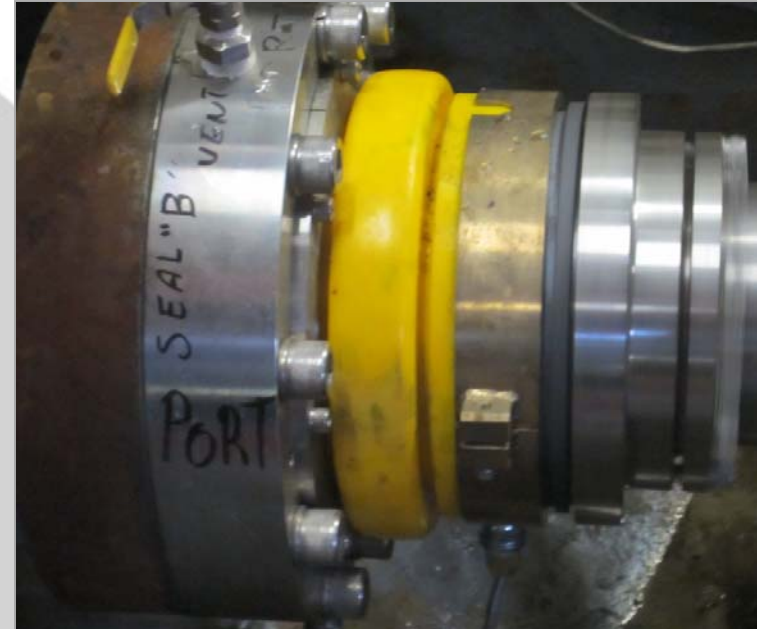
- Yard installed the seal cooling water system
- Thordon installed temperature probes
- Yard connected the air lines to the Emergency Seals
- Thordon made connections to the Air Distribution Panel



Seal Commissioning



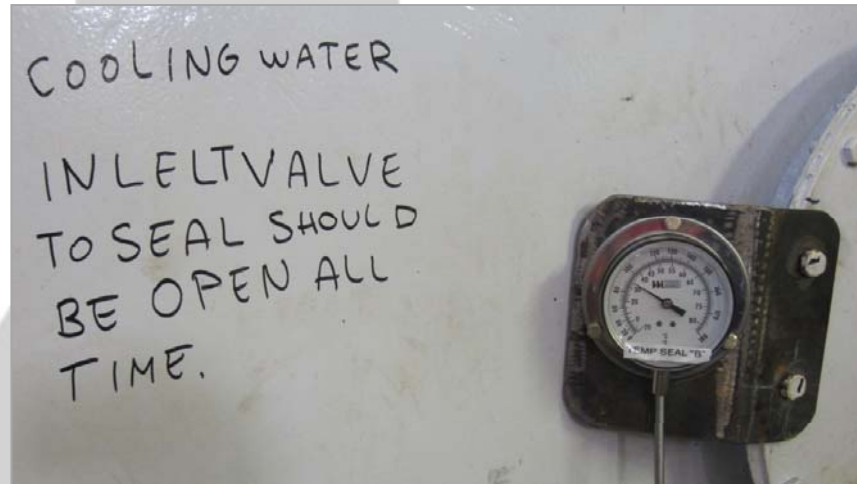
Starboard seal installed



Port seal installed

Seal Commissioning

- Purge the air from cooling water lines
- Test emergency seals
- Check the water temperature at the seal
- Check leakage
- Observe any vibration levels



TG100 River Seal

- Both seals operating smoothly
- Planned follow-up visit after 6 weeks of operation

