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