

Patterson Pump #6 – Repairs

Location: Pump Station No. 6
120 Pump Station Rd (260 East 101st Street)
Galliano, Louisiana

Specifications for Repairs:

1. If your company is the successful bidder for repairs of pump #6, you will be responsible for having the pump transported from Bollinger Shipyards in Lockport, LA.
2. All parts of the pump are to be cleaned and inspected for wear or defect.
3. All necessary parts are to be sandblasted. Primer should be applied before metal starts to rust.
4. All bronze bushings are to be replaced and have proper fit to pump housing. Bushings should have proper clearance for shaft.
5. All shafts should be repaired or made new.
6. The threads on the shafts and couplings should be chased to ensure proper tightening.
7. Register fit on pump sections should be checked for wear and repaired as needed.
8. Register fit bushings and packing gland should be checked to be sure they are all concentric.
9. Ensure grease passages are clean and free of blockages.
10. All grease lines should be 3/8" schedule 80 pipe. Where necessary, 3/8" wire braided hose should be used.
11. Secure grease lines outside of pump. Protect grease lines on the inside of the pump by bolting a cover over them.
12. Properly size and balance impeller for correct operating R.P.M.
13. Ensure bowl and impeller have the same angle on contact surface.
14. Check and repair lifting eyes with a minimum of 5/8" thickness steel.
15. Install two new ten pound zinc anodes below the water line.
16. Torque all bolts and nuts to specifications of bolt manufacturer.
17. Ensure all grease lines and grease cavities are full of grease.

18. Clean and degrease pump before applying epoxy paint to the entire pump housing and brackets.
19. Deliver the pump to Pump Station No. 6 after completion of all repairs.
20. Repair pitting on suction bowl with the proper cast iron welding procedure.
21. Keep the South Lafourche Levee District updated on repairs and findings so that we may plan periodic inspections.