



NATIONAL PUMP & PROCESS INC.



Technical Sales & Service Specialists
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REPAIR QUOTATION

To: Christopher Lathem
2104 Jackson pike Columbus, Ohio 43223
Jackson Pike Waste Water Facility
Plant Maintenance Assistant Manager
614-645-3138 ext. 1214

Re: KSB Pump Repair Evaluation
Repair Quote #: 2020.03.23-AN01
Date: 03.23.2020

NPP Job # 17687

We are pleased to offer the following Scope of Supply for your consideration:

Equipment: KSB Amacan (Columbus Flood Wall)
Amacan S 1300-820, S/N 6-L64-796

WORK SCOPE:

- Pick up pump, disassemble, shop inspect (complete)

SHOP FINDINGS:

- The power cable and control cable were found to be cut upon initial inspection
- The motor megged wet due to seal failure and will need to be dried / dipped / baked and reinsulated
- The seals look to have failed based on the fact that there was no oil found in between the seals
- The bearings looked like they were in decent shape (they did not fail), however, there was a fair amount of grease washed out
- Both upper and lower bearing housings are in good shape
- The shaft was found to be corroded directly behind the propeller and will need to be repaired or replaced (repair recommended)
- The impeller vane gap was found to be within tolerance
- The carrier cable was sent in incomplete and will need to be replaced

PARTS REPLACEMENT/LABOR TO BE PERFORMED:

- Blast clean all cast components
- Furnish and install new seals, bearings, o-rings, lip seals, snap rings, moisture sensor, lower bearing RTD, float, oil, seal rings, desiccant
- Replace power cable and control cable
- Clean / Dip / Bake / Reinsulate Motor
- Repair Shaft
- Balance Rotor
- Paint / Tag / Prep for Delivery
- Deliver to City of Columbus

PRICE: **\$86,950** Delivered to Columbus

ADDER PRICE for New Carrier Cable: **\$56,620** from OEM

ADDER PRICE for New Shaft in Lieu of Repair: \$80,419 (includes rotor assembly from OEM)

LEAD TIME: 12-14 Weeks

FIELD SERVICE FEE: **\$800** (labor only)

We greatly appreciate your interest in our Repair Services and look forward to your authorization to proceed.

Sincerely,

Adam Nemastil
Inside Sales Engineer
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