

John Ingram

From: Doug Medland
Sent: Monday, September 09, 2013 3:27 PM
To: John Ingram
Subject: FW: Orland Park S&L
Attachments: 21745-2.JPG; 21745-1.JPG; 102_5986.jpg; 102_5988.jpg

For your information.

DM

From: Ed Bukowski [<mailto:EBukowski@gasvoda.com>]
Sent: Wednesday, July 31, 2013 11:50 AM
To: Doug Medland; Ben Stabile
Cc: John Duschene; Scott Keehn
Subject: FW: Orland Park S&L

Doug and Ben,

I would like you to take a look at the attached pictures of the shaft surface mechanical seal mounting area, and the stator windings on # 2 pump you delivered to our shop for the new motor adapter install.

- The corrosion and pitting is in the seal area and may well pose a problem in the near future, (pic #21745-2 and 21745-1).

I would suggest repairing the surface by undercutting, overlaying with 316 stainless, and machining, in addition to the balancing. This could be metalized but my concern would be that with this type of corrosion there is a good chance that laminar corrosion would soon follow especially where this shaft is already damaged.

- The stator windings have a grease buildup which I strongly recommend having steam cleaned, baked out and surge tested to clean up the grease buildup. (this may possibly be due to over greasing of the upper bearing).

That being said the additional above listed repairs needed were not included in the proposal dated 1/30/2013. In order to have the above machining repairs, and electrical stator cleaning and testing done will cost an additional \$625.00 to your issued P.O. for \$4,834.00.

Please let me know how you wish to proceed and how we are to bill for this additional repair work, unless you issue a revised purchase order for the amount of \$5,459.00.

I will wait to hear back from you on your decision.

Edmund H. Bukowski
Service Manager
Gasvoda & Associates, Inc.
708-891-4400

John Ingram

From: Doug Medland
Sent: Monday, September 09, 2013 3:25 PM
To: John Ingram
Subject: FW: Pump #3, 100hp. S&L from 151st Station
Attachments: photo 1.JPG; photo 2.JPG

Per your request.

From: Ed Bukowski [<mailto:EBukowski@gasvoda.com>]
Sent: Friday, September 06, 2013 9:49 AM
To: Doug Medland
Cc: John Duschene; Scott Keehn
Subject: Pump #3, 100hp. S&L from 151st Station

Doug,

Good morning,

Just spoke to you in reference to the status on #3 pump we have at our shop for the motor adapter swap, rotor/impeller balancing and rotor repairs necessary. The attached photos show you the scoring marks I informed you of that we recommend you to have repaired on this unit to prevent seal leakage in the operation of this pump.

As you can see in the attached photos the marks on the right side of the picture may polish out, but the 2 on the left (one you can see and one further around) are almost 1/32" deep, polishing them out would cause a leak under the deal boot.

That being said the additional rotor repairs were not included in my original proposal and would be an additional; \$296.00 to the quoted price of \$4,834.00.

- **Final total for this which includes assistance with the installation at your station once the pump is completed will be \$5,130.00.**

If you agree the this revised cost please acknowledge with your approval to proceed.

Respectfully,
Ed Bukowski
Service Manager
Gasvoda & Associates