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**Item (J)(1)(C) - Rocky Fork Pump Emergency Action**

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**From** Jesse Stephens <JStephens@bcrsd.com>

**Date** Fri 4/17/2026 11:48 AM

**To** Jesse Stephens <JStephens@bcrsd.com>

Dear Board of Trustees,

Per our discussion in new business at the 3-17-2026 Board of Trustees meeting, I informed you that upon sending one of the Rocky Fork Lift Station pumps in for a routine cord repair, other issues were found with the pump that necessitated a full rebuilding of the pump. Typically, a pump of this size would be rebuilt once within its lifespan before being totally replaced. The pump is original to the installation of Rocky Fork, so now more than 12 years old. The pump was disassembled and in the possession of Vandevanter Engineering. Due to the age of both pumps in the lift station and the risk posed to the district should the only remaining pump falter, it is in the best interest of the District to get this pump repaired and re-installed as quickly as possible. I authorized Vandevanter to proceed with the emergency repair of this pump, as it is the quickest and most prudent alternative. Should the remaining pump falter, we would need to implement alternative bypass pumping which would result in costs including overtime to district staff. We anticipate getting this pump back in early June. Since it is highly likely there could be issues with the remaining pump, you will find a consideration item to purchase a third pump at Rocky Fork. By having a third pump available, this should prevent us from needing to take emergency actions such as these in the future and protect us from potential supply chain volatility for a critical item such as this. Please find a copy of the attached signed repair quote.



**Jesse Stephens, P.E., Executive Director**  
Boone County Regional Sewer District (BCRSD)  
1314 N. 7th St., Columbia, MO 65201  
C: 573.239.4025 | O: 573.443.2774  
e: jstephens@bcrsd.com | w: www.bcrsd.com

# SERVICE ESTIMATE

<b>Customer:</b> Boone County Reg. Sewer District <b>Contact :</b> Jason Horton <b>Date:</b> 3/17/2026 <b>Phone:</b> 573-220-8277 <b>Fax:</b> 573-499-0489 <b>Project:</b> KB KRT Pump Report  <b>Quote #:</b> 7090167 <b>Opp #:</b> OP-643493	<b>Vandevanter - Municipal</b> 1550 Larkin Williams Road  Fenton, MO 63026 <b>Phone:</b> 636-343-8880 <b>Fax:</b> 636-343-1720
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Dear Jason,

We are pleased to offer the following estimate for your review.

Line No	Quantity	Description of Unit	Net Each	Net Ext.
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1	1.00	<b>KRTK100-316/294XG</b> Serial Number - 9972557408		
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<b>Total</b>	<b>\$27,091.17</b>
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<b>Disassembly, Cleaning, Inspection and Estimating Charge</b>	<b>\$1,980.00</b>
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Amount due if this unit is not repaired. An invoice for this charge will automatically generate within 90 days of this estimate. This charge is for DCI (Disassembly, Clean and Inspect). All units left at our facility for more than 6 months will be scrapped unless written notification is received.

Delivery: ..... 12 - 14 week(s) after receipt of P.O.  
 FOB Point: ..... Shipping Point  
 Terms of Payment: ..... Upon Receipt  
 Freight: ..... Sales Department Personnel  
 Quote Validity: ..... 15 Days

# SERVICE ESTIMATE

Thank you for the opportunity to provide you with this estimate. Please let us know how you would like to proceed.

**Quoted By:**  
Parker Russell  
prussell@cogentcompanies.com

**Salesrep:**  
Ben Azerolo  
bazerolo@vandevanter.com  
314-347-7433

Material and equipment costs are fluctuating, with price increases that can be sudden and unpredictable. This proposal reflects the current pricing as of the date of this proposal. In the event of supplier price increases or surcharges announced after the date of this proposal up to the final shipment date, the seller may adjust pricing accordingly.

To accept, please sign, date, and return a copy of the signed proposal. By signing and accepting this proposal the buyer acknowledges and agrees to the attached terms and conditions, pricing, and specifications as part of this proposal agreement.

<u>Jesse Stephens</u>	_____
Name (Please Print)	PO#(If Applicable)
<u>Jesse Stephens</u>	_____
Signature	Date of Acceptance

Customer, please provide:

**Ship to Address**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## STANDARD TERMS AND CONDITIONS

1. **DEFINITIONS.** "Company" means Cogent, Inc., including any of Company's applicable trade names associated with the specific Proposal or specific Agreement. "Customer" means Company's customer for the specific Proposal or Agreement. "Proposal" means Company's proposal, estimate, quotation or sales form, including any terms expressly incorporated by reference, and these Terms and Conditions. "Agreement" means the terms of the final agreement entered into by and between Company and Customer relating to the purchase or rental of specific goods, equipment or services, and these Terms and Conditions.

2. **CONFLICT OF TERMS AND INTEGRATION.** Company's Proposal is expressly conditioned upon Customer's acceptance of these Terms and Conditions. Any additional or different terms and conditions included in Customer's purchase order, or other documents or communications, shall have no application or effect on the Agreement, unless specifically agreed to by Company in writing. Company's commencement of performance or delivery of goods and/or equipment shall not be deemed or construed as an acceptance of Customer's additional or different terms and conditions. The terms set forth in the Agreement supersede all prior negotiations, representations or agreements, either written or oral between the parties, and can only be modified or amended with the express written consent of Company.

3. **PROPOSAL, WITHDRAWAL AND EXPIRATION.** If the price is included in a Proposal, the price is firm for receipt of an order within 15 days of the date shown on the Proposal. Company reserves the right to cancel a Proposal at any time prior to receiving the acceptance in writing of the Proposal by Customer.

4. **PRICING.** The final price in the Agreement must be accepted by Company in writing. Unless expressly agreed to by Company in writing, the price does not include: (i) any freight charges; (ii) any applicable duties, tariffs or sales tax, use tax, excise tax, value-added or other similar taxes that may apply to the goods, equipment, services and/or project, up to the final shipment date to Customer; and (iii) manual or automatic controls, starters, protective or signal devices, wiring, anchor bolts, gauges, vibration isolation devices, installation, startup or testing.

5. **PAYMENT TERMS.** Payment is due upon receipt of the invoice. An interest charge of 1-1/2% per month will be added to past due balances, starting on the sixteenth (16) day after the invoice date. Retainage of any invoiced amount is unacceptable unless specifically agreed to by Company in writing at the time of the Agreement, and shall in no case exceed a period of 120 days. Payment of "commercial transaction" invoices by credit card will be charged a fee based upon Company's average discount rate for credit card transactions. Company reserves the right to require Customer make payment in advance, or C.O.D., or otherwise modify Company's credit terms if Customer's credit standing or scores are found to be not acceptable to Company. If payments are not timely received by Company, and this account is turned over to an attorney for collections, Customer agrees to pay all reasonable costs and attorney fees incurred in collection of the past due amounts.

6. **FINANCIAL INSECURITY ISSUES.** If at any time prior to receipt of payment in full by Company of the Agreement, Company receives information on Customer's financial responsibility or condition that causes Company to become insecure of Customer's ability to perform under the terms of the Agreement, including but not limited to Customer's failure to fulfill any other contractual obligations to Company, Company may take the following actions: (a) request further financial assurances, or collateral, from Customer; (b) suspend Company's performance under the Agreement; (c) defer or decline to deliver any goods or equipment, or services, under the Agreement; (d) stop delivery of goods or equipment in transit, and/or stop rendering services under the Agreement; and/or (e) terminate the Agreement as allowed under the Terms and Conditions. If Customer provides satisfactory financial assurances to Company as requested, including but not limited to payments in advance or other security acceptable to Company, then Company shall continue with its performance under the Agreement. Customer grants to Company a continuing security interest in and a lien upon the goods and/or equipment supplied by or through Company under the Agreement and the proceeds thereof (including insurance proceeds), as security for the payment in full and the performance by Customer of all of its obligations to Company under the Agreement, as well as any other Agreement between the parties. Customer shall execute a financing statement and any other documents needed by Company to enforce this security interest and lien, upon request by Company. For goods and/or equipment purchased by Customer for Customer's own use, Customer shall have no right to sell, encumber or otherwise dispose of those goods and/or equipment until Company has received payment in full of all amounts owed by Customer under the express terms of the Agreement.

7. **TITLE, DELIVERY AND RISK OF LOSS.** Unless other terms are expressly agreed to in writing by Company, for goods and/or equipment that are shipped from a Company facility or warehouse, those shipments are FOB Company's shipping point, at which point title transfers to Customer. For goods and/or equipment that are shipped from a manufacturer or distributor, those shipments are FOB manufacturer's or distributor's warehouse or factory shipping point as applicable, at which point title transfers to Customer. Delivery dates are estimates, and time is not of the essence.

8. **EXPORT OF GOODS AND/OR EQUIPMENT.** Goods and/or equipment sold by Company to Customer may be subject to applicable export laws and regulations, including the United States Export Administration Regulations. If any goods and/or equipment acquired by Customer is or are exported, Customer agrees to comply with all such applicable laws and regulations. In particular, Customer shall not, and will not permit any third parties to, directly or indirectly, export, re-export or release any goods and/or equipment to any country or jurisdiction to which, or to any party to whom, the export or release of any goods and/or equipment is prohibited by applicable law, regulation or rule. As between Company and Customer, Customer shall be responsible for any breach of any export law, regulation or rule. For export shipments from the United States, delivery to Customer of the goods and/or equipment will pass from Company to Customer, as well as title to the goods and/or

equipment, absolutely no later than when the goods and/or equipment are delivered to the shipping port, so that Customer shall be the exporter of the goods and/or equipment.

9. CUSTOMER DELAY OF DELIVERY. If Customer requests Company to delay delivery of any goods and/or equipment included in the Agreement, the requested delay, if agreed to by Company in writing, shall solely effect the delivery date of the goods and/or equipment. Company reserves the right to issue an invoice for the goods and/or equipment as of the originally scheduled, or the first available, delivery date. If Company is required to store or warehouse any goods and/or equipment on behalf of Customer due to the delayed delivery date, any storage and/or warehouse costs and fees will be charged to Customer and payable by Customer to Company upon receipt of an invoice, as well as the costs of any required maintenance of the goods and equipment throughout the period of delay.

10. CUSTOMER CANCELLATION. Customer possesses no right to cancel special or made-to-order goods and/or equipment, unless first requested by Customer in writing to Company, and accepted by Company in a written response to Customer. If any request to cancel is made by Customer, and accepted by Company, Company may issue an invoice to Customer which will include all costs and expenses incurred by Company prior to accepting the cancellation request, including any labor costs and overhead incurred or expended by Company. Goods and/or equipment from a cancelled Agreement, returned to a manufacturer or other source of the goods and/or equipment, shall be returned at Customer's costs, including any delivery and/or restocking charges.

11. INSPECTION OBLIGATIONS. Customer shall inspect the goods and/or equipment upon receipt. When delivery of the goods and/or equipment are to a project site, Customer will notify Company in writing within three (3) days of delivery of the goods and/or equipment, of any apparent shipment shortages, or damages or nonconformity of the goods and/or equipment. For all other deliveries of goods and/or equipment, Customer shall notify Company in writing within ten (10) days of delivery of the goods and/or equipment, of any apparent shipment shortages, or damages or nonconformity of the goods and/or equipment. Failure of Customer to timely deliver the written notice to Company shall constitute a waiver by Customer to claim any shortages in the goods and/or equipment delivered, and to claim any damages to, or nonconformity of the goods and/or equipment delivered to Customer. Customer shall make any claim for loss of or damage to goods and/or equipment while in transit, to the carrier, unless different terms are expressly set forth in the Agreement of the parties.

12. NEW GOODS WARRANTY. For all new goods and/or equipment, Company will pass through to Customer any warranty provided by the manufacturer of any goods and/or equipment supplied by Company. None of the warranties received by Customer shall become effective until such time that Customer has paid Company in full for the goods and/or equipment. THE MANUFACTURER'S WARRANTY IS THE EXCLUSIVE WARRANTY PROVIDED CUSTOMER.

COMPANY PROVIDES NO OTHER WARRANTIES OR GUARANTEES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, UNLESS THE SAME IS SPECIFICALLY SET FORTH IN WRITING AND ACCEPTED IN WRITING BY COMPANY.

13. USED GOODS AND EQUIPMENT. Used goods or equipment sold by Company are sold in an as-is and where is condition. Unless stated in the Agreement by Company, Company makes no representations or warranties of any kind, express or implied, as to the nature, quality or condition of the used goods or equipment, or its suitability for any use, including without limitation any warranty of merchantability or fitness for a particular purpose, unless expressly agreed to in writing between Company and Customer. Company shall have no liability to Customer in connection with the sale of the used goods and equipment, including without limitation, for loss of profit, loss of income, loss of production, loss of opportunity, or indirect, consequential, incidental, punitive or exemplary damages arising out of or related to Company's sale of used goods or equipment to Customer.

14. INSTALLATION AND STARTUP. Unless otherwise agreed to in writing by Company, installation of the purchased goods and/or equipment shall be the responsibility of Customer. If the manufacturer of any goods or equipment supplied by Company to Customer requires that a representative of the manufacturer be present for the start up of the goods and/or equipment, and Company is designated as the authorized representative for the manufacturer for the start up of the goods and/or equipment, Customer shall provide a minimum of fourteen (14) calendar days notice to Company of the scheduled start up. If, under the stated circumstances, the start up of the goods and/or equipment occurs without Company or some other manufacturer's representative being present, the manufacturer's warranty might be voided, or its coverage limited by that action. For goods or equipment repaired by Company for Customer, if Company requires a Company representative to be present for the start up of the repaired goods and/or equipment, the same fourteen (14) calendar days notice to Company is required. If the goods and/or equipment are started without a Company representative being present, the same limitation or voiding of any applicable warranties can occur.

15. BANKRUPTCY, RECEIVERSHIP, ASSIGNMENT FOR BENEFIT OF CREDITORS, DEFAULT. If voluntary or involuntary Bankruptcy proceedings are commenced against Customer, or similar proceedings such as a receivership or any other insolvency proceedings, or if Customer makes an assignment for the benefit of its creditors, Company may provide written notice to Customer of Company's immediate termination and cancellation of the Agreement. If Customer is in material default of the Agreement, including but not limited to Customer's failure to make any payment when due to Company, then Company can deliver a written notice to Customer of such default and provide notice of a five (5) day right to cure the default. If Customer fails to cure the default within the five (5) day period, or begin commencement of the cure and continue to work diligently on the cure within the five (5) day period, Company has the right to terminate any further

performance of its obligations under the Agreement, without prejudice to any other rights and remedies the Company might have under the Agreement and applicable law. If the Agreement is terminated, the rights, obligations and liabilities of the parties that accrued prior to the termination of the Agreement shall survive the termination.

16. LIMITATION OF LIABILITIES. Except as otherwise provided by applicable law, in no event will Company's liability exceed the amount paid by Customer to Company under the Agreement. In no event shall Company's obligations and liabilities under this Agreement include any indirect, punitive, special, incidental or consequential damages or losses that Customer may suffer or incur in connection with this sale, service or rental, including, but not limited to, loss of revenue or profits, damages or losses as a result of Customer's inability to operate, perform its obligations to third persons or injuries to goodwill. Nor shall Company's liability extend to damages or losses Customer may suffer or incur as a result of such claims, suits or other proceedings made or instituted against Customer by third parties. Customer remises, releases and discharges Company from any and all liability or damages which might be caused by failure to deliver any equipment within the agreed time by Company.

17. INDEMNIFICATION. Customer covenants and agrees to defend, indemnify and hold Company harmless from any claims, damages or liability arising out of the use, maintenance or delivery of the goods and/or equipment purchased or rented from Company. Customer shall further defend, indemnify and hold Company harmless from any and all damages to third persons or to property caused by Customer's use or possession of the goods and/or equipment, to the fullest extent allowable by law.

18. COMPANY DRAWINGS. Any drawings that Company prepares and delivers to Customer shall remain Company's property. If Company provides drawings related to the installation of the goods and/or equipment in Company's Proposal, those drawings depict the general type, arrangement and approximate dimensions of the goods and/or equipment to be furnished by Company, are for Customer's information only, and Company makes no representation or warranty regarding the drawings' accuracy. Unless expressly stated to the contrary in the Proposal, all drawings, illustrations or diagrams form no part of the Agreement.

19. CONFIDENTIAL INFORMATION. Company may provide designs, illustrations, processing equipment, repair specifications, manufacturing information, intellectual property and other non-public information ("Confidential Information") to Customer in either the Proposal, or the Agreement, or in the performance of the Agreement. Other than for the performance of the Agreement, Customer agrees to not disclose, use or reproduce any Confidential Information without Company's prior written consent. Customer's agreement to not disclose, use or reproduce Confidential Information shall survive completion of Company's obligations under the Agreement, or termination of the Agreement.

20. CUSTOMER WARRANTY. Customer warrants the accuracy of any and all information provided to Company,

relating to the details of the relevant operating conditions, including but not limited to influent data, temperatures, pressures and where applicable, the nature of all hazardous materials. Company may justifiably rely upon the accuracy of Customer's information in preparing both the Proposal and the Agreement. If Customer's information is later found to be not accurate, Company shall have no liability to Customer, and/or Customer's customer if any, for any losses, liabilities, damages and expenses of any kind, that arise out of, or relate in any respect, to the inaccurate information provided by Customer to Company, and shall defend and indemnify Company for any claims made against Company based upon such inaccurate information.

21. FORCE MAJEURE. Company may cancel, terminate or suspend its Proposal or the Agreement, and Company shall have no liability to Customer for Company's failure to deliver any goods and/or equipment, or to provide any services to Customer, due to force majeure. Force majeure means any event or circumstances beyond Company's reasonable control, including but not limited to natural disasters, wars, strikes, riots, epidemics, criminal actions, changes in applicable laws and failures of suppliers or transportation. In these situations, Company's time for performance shall be extended in an amount equal to the period of time for Company to recover from the causal event, and shall notify Customer within a reasonable period of time of the expected delay. If the force majeure event impacts the pricing specified in the Proposal or the Agreement, Company shall notify Customer of the revised pricing. If Customer rejects the revised pricing in the Agreement, the parties will resolve the cancellation pursuant to the Customer Cancellation clause.

22. LAW AND VENUE. This agreement shall be governed by the laws of the state where the Company's branch office is located from which the goods and/or equipment was rented or purchased, or services were ordered from Company (without reference to principles of conflicts of laws). Customer further agrees that venue and jurisdiction shall be appropriate in the state and/or federal court venue in which Company's branch office is located from which the goods and/or equipment was rented or purchased, or services were ordered from Company; the county and/or federal court venue in which Company's corporate headquarters office is located; as well as the county(ies) in which any materials or equipment purchased from Company were used to improve a piece of real estate, including any structures located on the piece of real estate. This paragraph shall survive any termination, cancellation or expiration of the Agreement. If any dispute between Company and Customer ends up in litigation or arbitration, the prevailing party is entitled to an award of reasonable attorney's fees and costs.

**23. DISASSEMBLY, CLEANING, INSPECTION AND ESTIMATE CHARGE.** The disassembly, cleaning, inspection and estimate charge ("DCI Charge") is the amount that is due from Customer if Customer decides to not repair the unit(s). An invoice for this amount shall automatically be generated for the DCI Charge within ninety (90) days of the date of the Service Estimate if Customer has not authorized the repairs, or at the date that Customer rejects the estimate for the repairs. All units left at Cogent's facility, not repaired, for more than six (6) months, will be scrapped by Cogent without any liability to Customer. Before scrapping or otherwise disposing of the unrepaired unit(s), Cogent shall deliver a final ten (10) day notice to Customer to pick up the unit(s), or the unit(s) will be scrapped or otherwise disposed of by Cogent without any liability, financial or otherwise, to Customer.

**24. MISCELLANEOUS.** The captions or titles in these Terms and Conditions are for reference only, and shall have no role nor effect in the interpretation or construction of the Proposal or the Agreement, as applicable. Company's failure to insist, on any one or more instances, upon Customer's performance of the Agreement, or to exercise any rights conferred in the Agreement, will not constitute a waiver or relinquishment of such right, or the right to insist upon Customer's performance in any other respect. The partial or complete invalidity of any one or more provisions in these Terms and Conditions, or any other part of the Agreement, shall not affect the validity or continuing force and effect of any other provision. Unless specifically stated otherwise in these Terms and Conditions, Company possesses all other legal and equitable rights that may be found in the applicable law.

#### **ADDITIONAL RENTAL TERMS AND CONDITIONS**

**1. DEFINITIONS.** All Rented Equipment is detailed in the Rental Contract. Rental fees are charged within each 28-day billing cycle. A Rental Day is equal to one calendar day. A Rental Week is equal to seven (7) calendar days. A Rental Month is equal to twenty-eight (28) calendar days. All rental rates ("Scheduled Rates") are outlined in the Rental Contract. The Standby Rate is 75% of the Scheduled Rate. Standby is for a "second" or additional back-up pump to be running only in the event the primary pump cannot operate. If the standby pump operates for any reason other than failure of a primary pump, the Scheduled Rate will apply to the Standby Pump. For diesel equipment, all Scheduled Rates are based on an up to 8-hour per day shift. If diesel equipment is used for a more than eight (8) hours in a day, the Scheduled Rate for the day shall be charged at 150%. If diesel equipment is used for more than sixteen (16) hours in a day, the Scheduled Rate shall be doubled.

**2. BILLING CYCLES.** Billing cycles on Rented Equipment are defined as follows: 3-7 Days = 1 Week; 8 Days = 1 Week and 1 Day; 9 Days = 1 Week and 2 Days; 10-14 Days = 2 Weeks; 15 Days = 2 Weeks and 1 Day; 16 Days = 2 Weeks and 2 Days; 17-28 Days = 1 Month. Billing cycles for C.O.D. Customers are defined as follows: 3-7 Days = 1 Week.

**3. INSURANCE COVERAGES.** Customer is responsible for obtaining property coverage at replacement cost of the Rented Equipment. Company d/b/a Velocity shall be included as a loss payee. General liability coverage shall contain limits of not less than \$1,000,000 per occurrence and \$2,000,000 in the aggregate, a waiver of subrogation and that the insurance is primary and non-contributory to any other available insurance. A copy of the Certificate of Insurance shall be provided to the Customer's contact at Company.

**4. ENVIRONMENTAL FEE.** Environmental Fee is charged at 1.75% of the Rental Charge for all Rented Equipment.

**5. RETURNING RENTED EQUIPMENT.** All Rented Equipment shall be returned in as clean as the condition when it was delivered to Customer. If the Rented Equipment is not returned in this manner, a cleaning charge will be added to the final invoice. This cleaning charge will consist of a time and material charge based on the time needed to perform the necessary cleaning, and the required materials

**6. OFF RENT CALL CONFIRMATION.** For Rented Equipment the Company is picking up, it is the responsibility of Customer to call into the Company's local branch office and obtain an Off Rent - Call Confirmation Number. This call serves as notification that the Rented Equipment is disassembled, properly decontaminated, and staged in one readily-accessible area available for immediate pick-up. Rental and/or labor charges will accrue if the Rented Equipment is not cleaned and staged for removal.

**IMPORTANT:** Obtaining an Off Rent-Call Confirmation Number does not release Customer from its obligations to safeguard and secure Rented Equipment, including maintaining required Insurance Coverages, while Rented Equipment remains under Customer's care, custody or control, until the return of all Rented Equipment to Company. Customer shall remain responsible for all loss or damage arising from Customer's failure to safeguard and secure Rented Equipment while awaiting pickup, or until returned by Customer to Company.

**7. DIESEL EQUIPMENT MAINTENANCE.** All diesel engine driven Rented Equipment requires preventative maintenance every 250 hours of runtime. This is the responsibility of the Customer. Company can provide this service at an additional cost. Overdue maintenance fees will be charged when Rented Equipment is returned without proof of preventative maintenance services. Fees will be charged based upon the number of 250-hour maintenance windows missed during the rental, plus any additional damages which may have been incurred due to lack of proper maintenance of the Rented Equipment.

**8. FUELING DIESEL EQUIPMENT.** Fuel for diesel engine driven Rented Equipment is not part of this Proposal and/or Agreement and is the responsibility of Customer. An auxiliary fuel tank can be provided for an additional charge.

**9. COGENT TERMS & CONDITIONS.** A complete list of Terms & Conditions can be found at:

<https://cogentcompanies.com/tandc/>

August 2025

# COGENT

<b>Opportunity Number</b>	OP-643493	<b>Date</b>	3/17/2026
<b>Customer Name</b>	Boone County	<b>Salesrep</b>	Ben
<b>WO Number</b>	60723	<b>Customer Stock #</b>	
<b>SUID Number</b>	Q-284058	<b>Customer Equip. Location/ID #</b>	Rocky Fort

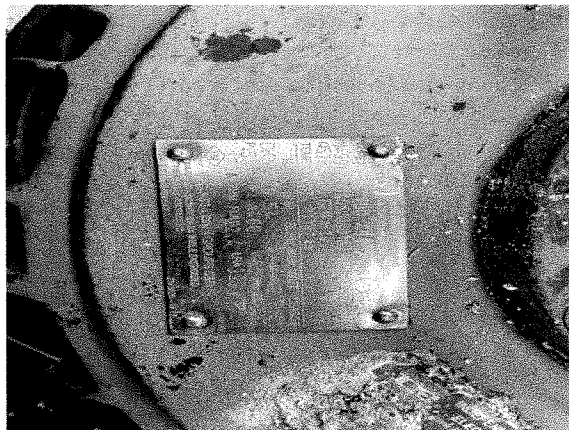
<b>Manufacturer</b>	KSB
<b>Model</b>	KRTK-100-401
<b>Serial #</b>	9972557408
<b>Additional Items / Notes</b>	
<b>Level of Repair</b>	L4

<b>DCI Technician</b>		<b>DCI Date</b>	
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### Pump As Found/Received


**Notes:**

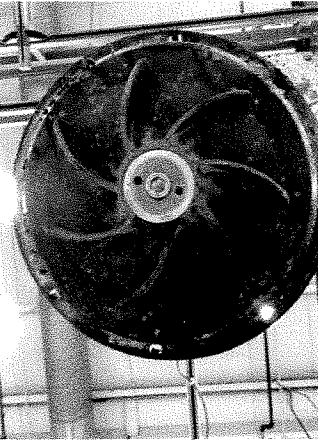
Guide claw was given back to customer.

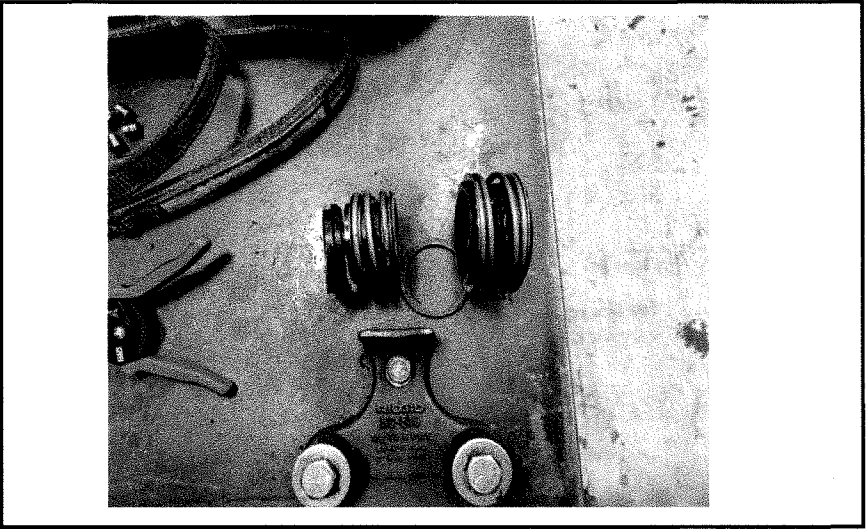


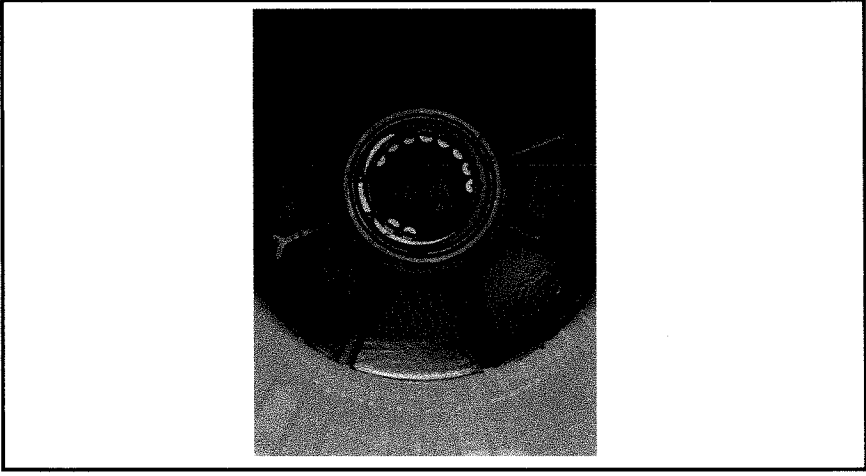
Initial Inspection					
HP	50	FLA	62.4	Voltage	460V
Phase	Three	RPM	1775	IMP Code	
Power Cable Length	64ft	Power Cable Condition	Spongy	Cable Disposition	Replace
Sensor Cable Length	54.5ft	Sensor Cable Condition	Spongy	Paint Color & Type	
FLS Sensor Model		FLS OHM Standard Open		FLS OHM Actual Open	
		FLS OHM Standard Closed		FLS OHM Actual Closed	
Thermal Sensor	Other	Thermal OHM Standard		Thermal OHM Reading	0.9
Bearing Sensor Model		Bearing OHM Standard		Bearing OHM Actual	
Control Box		Control Box Condition			
Condition Of Oil	Clean	Mechanical Seal Pressure Test	Pass (7PSI for 20 MIN)		

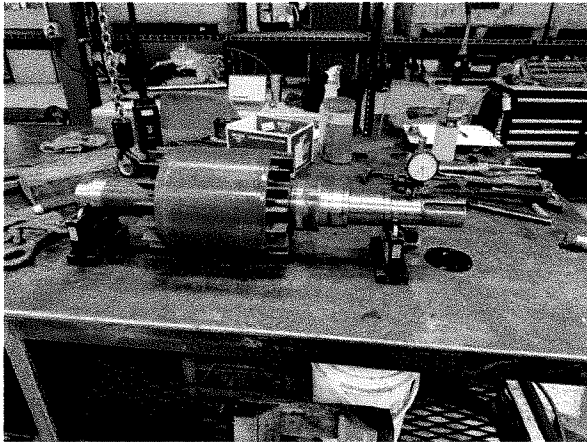
Electrical Inspection							
OEM Ohm Standard	R/B		R/W		B/W		Junction Chamber Cond
Cable OHM Reading	R/B	0.197	R/W	0.198	B/W	0.199	Junction Therm Reading
Junction OHM Reading	R/B		R/W		B/W		Junction FLS Reading
Cable Meg Reading	R	4M	B	4M	W	4M	Electrical Notes: Seal leak sensor detected moisture.
Junction Meg Reading	R		B		W		
Does the Pump Pass Electrical Checks?	Fail						

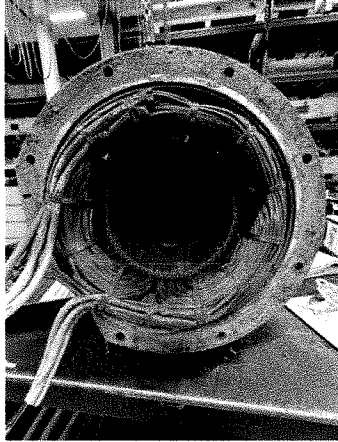
Wet End	
Volute Condition	Good - Reuse
Discharge Flange	Good - Reuse
Discharge Size	4"
Wear Ring	Good - Reuse
Notes:	The volute passed all inspections and can continue use.
	
Wet End Disposition	Reuse



Impeller	
Condition	Minimal Wear
Impeller Clearance	
Balance Required?	
Notes:	The impeller was in good condition and showed minimal signs of wear. It was noticed that this impeller wasn't the original impeller the pump was sold with. After contacting customer it was determine the impeller was changed from a "C" impeller to a free flow impeller due to clogging issues.
	
Impeller Disposition	Reuse

<b>Mechanical Seals</b>		
<b>Upper Seal Condition</b>	<input type="text" value="Worn"/>	
<b>Lower Seal Condition</b>	<input type="text" value="Worn"/>	
<b>Seal Material</b>	Upper	<input type="text" value="Silicon Carbide"/>
	Lower	<input type="text" value="Silicon Carbide"/>
<b>Seal Fit on Shaft</b>	Upper	<input type="text"/>
	Lower	<input type="text"/>
<b>Notes:</b>		
Oil was clean and seal did pass pressure test, but needed to be removed for the completed tear down.		
		
<b>Upper Seal Disposition</b>	<b>Replace</b>	
<b>Lower Seal Disposition</b>	<b>Replace</b>	

<b>Bearing Housing</b>		
<b>Housing Condition</b>	<input type="text" value="Minimal Wear"/>	
<b>Bearing Grease Cond.</b>	<input type="text" value="Good"/>	
<b>Bearing Condition</b>	Upper	<input type="text" value="Severely Worn"/>
	Lower	<input type="text" value="Worn"/>
<b>Bearing Housing Fit</b>	Upper	<input type="text"/>
	Lower	<input type="text"/>
<b>Notes:</b>		
Upper bearing fell apart when the stator housing was removed. Both bearing housings are in good condition and can be continued for use.		
		
<b>Housing Disposition</b>	<b>Reuse</b>	

Rotor		
<b>Rotor Condition</b>	Minimal Wear	
<b>Bearing Condition</b>	Upper	Severely Worn
	Lower	Worn
<b>Rotor Shaft Fit</b>	Upper	
	Lower	
<b>Notes:</b>		
Shaft was previously poorly repaired in the lower seal ride area. We were able to set it up in the lathe and get it cleaned up and true.		
		
<b>Rotor Disposition</b>	Reuse	
<b>Bearing Disposition</b>	REPLACE	

Stator						
<b>Wash and Bake?</b>	Yes					
<b>Winding Analyzer</b>	Pass					
<b>Notes:</b>						
The stator did fail the electrical inspection but not to the point of a rewind or new stator. After clean and bake it was determined that the stator is in good condition and can be continued for use.						
						
<b>POST BAKE ELECTRICAL RESULTS:</b>						
<b>OHM Reading</b>	R/B	0.149	R/W	0.149	B/W	0.149
<b>Meg Reading</b>	R	INF=3,000+	B	INF=3,000+	W	INF=3,000+
<b>Thermal</b>	0.4					
<b>Stator Disposition</b>	Reuse					

<b>Additional Notes &amp; Findings</b>	
<p><b>Item 1:</b> The threads for both the oil drain and oil fill on the oil housing were completely stripped out and exceeds the allowed tolerance to tap the threads. The oil housing will have to be replaced to insure a complete repair.</p>	
<p><b>Item 2:</b> This is the lower seal ride area that has been metalized. You can noticed wear in that area as well as the undercut from it being oversized and not machined true.</p>	

<b>CONCLUSIONS</b>			
<b>O-Rings Condition</b>	Squared	<b>Bin Location</b>	VE2B
<b>Primary Cause of Failure</b>			
Pump was previously repair at another shop. Found the oil plug holes stripped out. Silicone on all mating surfaces. Poorly metalized shaft repair. Upper bearing fell apart when stator was removed. Supporting washer was missing in lower bearing. The stator was cleaned and baked and can be continued for use.			
<b>Repair Scope</b>			
<b>Parts Required</b>			
Flygt White Mineral Oil	O-Ring	O-Ring	
Sandblasting	Power cable with potted cable entry gland	Sensor cable with potted cable entry gland	
Seal Leak Probe	Grooved ball bearing	CYL roller bearing	
Bearing bracket	Radial lip seal	Mec Seal	
Mec Seal	Support Disc	Support Disc	
Support Disc	Screwed plug	Hex Socket Screw	
Circlip	Circlip	Circlip	
Circlip	Sealing Ring	Sealing Ring	
O-Ring	O-Ring	O-Ring	
O-Ring	O-Ring		
<b>Inspection Reviewed By</b>	BW	<b>Date</b>	3/17/2026