

CONTRACT: C23-3322-WS
Sheppard Services, LLC.
Electric Motor, Pump, and Rotating Equipment Repair
EXPIRES:05/01/2026 W/2 (1) YR RENEWALS

DeRita Mason

From: Darren L. Alford
Sent: Friday, January 19, 2024 11:52 AM
To: Mike Sims; Chris McNeil
Cc: Nick Enders; DeRita Mason; WSInvoice
Subject: FW: 17823 RQ3592 Okaloosa 50HP Keen Pump Repair
Attachments: image001.jpg; Quote Detail_RQ3592_20241315757.pdf; 17823 SNIP.PNG; R17823.pdf

Mike,
Please consider this Okaloosa County's Notice to Proceed (NTP) for the repair to the 50HP Keen Pump ID# M3663. We believe repair cost will be significantly lower than replacement. This particular pump is our #1 pump located at the Arbennie Pritchett WRF lift station. Per your attached quote and the further quote details attached, the total price will be \$13,819.63, which is the cost of the machine work and shop labor(\$10,150.00), plus Material (\$3,669.63) with appropriate % markup.

When work is completed, to ensure that the County makes payment as quickly as possible, please send invoices w/ backup (i.e. documentation on the catalog price or what you paid for the material/equipment) to wsinvoice@myokaloosa.com

Thank you,

Darren Alford
Wastewater Operations Manager
Okaloosa County Water & Sewer
(850)651-7133

Please note: Due to Florida's very broad public records laws, most written communications to or from County employees regarding County business are public records, available to the public and media upon request. Therefore, this written e-mail communication, including your e-mail address, may be subject to public disclosure.

From: Nick Enders <nenders@myokaloosa.com>
Sent: Friday, January 19, 2024 11:10 AM
To: Darren L. Alford <dlalford@myokaloosa.com>
Subject: FW: 17823 RQ3592 Okaloosa 50HP Keen Pump Repair

J. Nick Enders
WWTP Maintenance Supervisor
Okaloosa Water and Sewer
(850)609-7015 Office
(850)461-4149 Cell
(850)651-7133 Plant

From: Mike Sims <msims@sheppardsvs.com>
Sent: Monday, January 15, 2024 2:05 PM
To: Nick Enders <nenders@myokaloosa.com>
Cc: Chris McNeil <cmcneil@sheppardsvs.com>; Drew Mauldin <dmauldin@sheppardsvs.com>; Fallon Goodwin <fgoodwin@sheppardsvs.com>
Subject: Fwd: 17823 RQ3592 Okaloosa 50HP Keen Pump Repair



3460 Hurricane Bay Drive
 Theodore, AL 36582
 Phone: (251) 443-0700
 Website: www.sheppardsvs.com

Customer ID	Quote Date
10522	1/3/2024
Attn	cc

Quote Number
RQ3592
Job Number
R17823

Customer Information

Okaloosa County
 1250 North Eglin Parkway
 SHALIMAR, FL 32579

Ship To Information

Okaloosa county
 1250 Miracle Strip Pkwy SE
 FORT WALTON BEACH, FL 32548

Quote By:	Fallon Goodwin
PO #:	
RFQ #:	
Salesperson:	Michael Sims
Phone:	
Fax:	
Terms:	Net 30

Nameplate Information

ID	M3663
Motor-Make	Keen
Motor-Model	K6vbx500m4-43
HP	50
KW	Na
RPM	1750
Frame	Na
Enclosure	SUB

Rated V.	460
Rated A.	67.6
ODE Brg#	6308 open bearing
DE Brg#	7313 thrust bearing
Frequency (Hz)	60
Make	Keen
Model	K6vbx500m4-43
Serial Number	1806413

Quote Information

Reason Sent For Repair: TDI. Tear down and inspect for failure.

Cause of Failure: Bottom seal had trash in it causing seal to go bad.
 Water leaked through to the top bearing causing it to come apart.
 Pieces of the brokeb bearing got into the stator causing it to have a blown spot in the windings.

Required Work: Photograph pump & perform visual inspection of unit.
 Remove impeller & inspect for wear.
 Disassemble pump.
 Clean & inspect all individual components.
 Measure & record the following mechanical fits:
 • Shaft journals, seal fits, keyway, bearing housings and seals, etc.
 • Measure keyway width at the top and bottom
 • inspect pump volute for wear and holes
 Check & record all critical TIR'S areas.
 Machine ODE bearing journals.
 Machine ODE bearing shaft fits.
 Machine shaft to straighten.
 Replace DE and ODE bearings.
 Replace SO and Control Cord.
 Visually inspect stator windings.
 Test, measure & record the following:
 • RTD'S, heaters, cooling jackets, leads, lugs, etc.
 Perform rotor growl test.

Lead Time	Subtotal :	13,819.63
	Tax :	
	Total for Quote RQ3592 :	

SIGNATURE: _____

DATE: _____

PO# (IF NOT ALREADY ISSUED):

Ship Via: Bestway



3460 Hurricane Bay Drive
 Theodore, AL 36582
 Phone: (251) 443-0700
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10522	1/3/2024
Attn	cc

Quote 2/3

Quote Number
RQ3592
Job Number
R17823

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Okaloosa County
 1250 North Eglin Parkway
 SHALIMAR, FL 32579

Ship To Information

Okaloosa county
 1250 Miracle Strip Pkwy SE
 FORT WALTON BEACH, FL 32548

Quote By:	Fallon Goodwin
PO #:	
RFQ #:	
Salesperson:	Michael Sims
Phone:	
Fax:	
Terms:	Net 30

Perform TIR on rotor.
 Perform incoming electrical tests per specifications.
 Perform pre-burn core loss test.
 Burn out the stator in a temperature-controlled oven with chart recordings.
 Remove winding from stator core and record data.
 Perform post burn core loss tes.t
 Rewind stator using Class H materials.
 Properly block & tie winding.
 Varnish Stator and bake in a controlled oven using Solid Epoxy resin.
 Perform the following Electrical tests:
 • Meg and PI stator windings after rewind
 • Measure winding resistance
 • Surge comparison test each phase of the winding
 Perform all Baker AWA IV tests or PDMA as required.
 Furnish and install new DE and ODE bearing
 Furnish and install new Upper And lower seals.
 Assemble pump per customer specification.
 Test run pump per specifications including the following:
 • Phase voltage, current balance, rpm & rotation.
 • Record horizontal, vertical & axial vibration readings.
 • Record bearing temperature & run time to stabilize.
 Paint per customer specification
 Deliver pump to customer site.

Comments: When it came in it had 35 ft of SO cord and control cord

Labor		Unit Price	Ext Price
20	Machine Work	72.50	1,450.00
120	Labor Hours for Repair	72.50	8,700.00

Total for Labor : 10,150.00

Material		Unit Price	Ext Price
1	NTN 7313BL1BG	171.38	171.38
1	NTN 6308C3	22.42	22.42
1	US PS269	406.34	406.34

Subtotal : 13,819.63

Tax :

Total for Quote RQ3592 :

Lead Time

SIGNATURE: _____

DATE: _____

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Quote 3/3

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Okaloosa county
 1250 Miracle Strip Pkwy SE
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Quote By:	Fallon Goodwin
PO #:	
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Salesperson:	Michael Sims
Phone:	
Fax:	
Terms:	Net 30

1	US PS7138	153.22	153.22
1	ORING KIT	132.24	132.24
5	Hyvolt II Oil (per gallon)	22.44	112.20
2	3M-2131B-7.6OZ	41.64	83.28
1	Winding Materials - wire, sleeving, leadwire, wedges	2,053.82	2,053.82
1	SHOP SUPPLIES: Hardware, gaskets, paint,	534.73	534.73

Total for Material : 3,669.63

Quotes Do Not Include Sales Tax or Freight, Unless Otherwise Noted.
We Are not Responsible For Items Left Over 60 Days.
VALID FOR 30 DAYS, unless otherwise noted.

QUOTE IS

Lead Time	Subtotal :	13,819.63
	Tax :	
	Total for Quote RQ3592 :	

SIGNATURE: _____

DATE: _____

PO# (IF NOT ALREADY ISSUED):

Ship Via: Bestway