

North Gaston Volunteer Fire and Rescue

Chief Dennis Cash

110 N. Thompkins Rd, High Shoals, NC 28077

704-732-0818

January 28, 2018

Re: Overage Funds

Dear: Gaston County Advisory Board

I am requesting funds from the overage account for North Gaston Volunteer Fire and Rescue. These funds will be used for repairs needed to Tanker 2013. I am requesting \$15,000.00. Attached is a copy of repairs needed and an estimate of cost from Anchor-Richey EVS.

Thank you for your assistance. If you have any questions please do not hesitate to contact me.

Sincerely,



Dennis Cash

Fire Chief NGVFR

North Gaston VFD

TANKER 213

To whom it may concern,

The following is a comprehensive report of Tanker 213's Fire pump leak, which problem was located during pump testing.

I Kenneth Lankford of Gearheadz Unlimited Inc was contacted by Fire Chief Dennis Cash about Tanker 213 on Wednesday 29th of November 2017 which I (Kenneth Lankford) was advised unit needed a New Set of Darley Pump Packing installed after Pump Testing.

Arrived at the Station 21 4th of December 2017 to perform Installation of New Darley Pump Packing,

That is when I noticed a sever amount of corrosion at both front and rear Packing Glands (please see attached photo's) removed insertion cap and noticed that packing that is currently in pump was New.

Physically touched corroded area and immediately noticed that decay had completely dissolved outer portion of the packing gland area and was very brittle, I then stopped and contacted Chief Cash, I then asked Chief Cash when was the last time Packing was installed into pump Chief Cash advised 6 months ago by another vendor, which the Packing installed was adjusted all the way to the bottom and Packing Gland was full of fresh Packing, I then asked the Chief when was Packing replaced on this unit over it's years of service in the North Gaston Community he advised that the Packing has always been replaced as unit needed them over the years of service. I then asked how much "Salt was applied to the roads in his area during the Winter Season, Chief Cash then advised about 3-5 days out of the year and in the Geographic area it is not known for Heavy Snow or Ice activity during winter seasons. I then asked Chief Cash what type of water was used and stored in the Pump and Tank when unit is not being used, Chief Cash advised unit has always been stored with County Hydrant Water for the entire time this unit has been in service for the North Gaston Fire District.

In Closing

It is my belief that with the very minimal corrosive environment, non-corrosive water supply, and how this unit has been maintained of it years of service, that the material used to construct the pump for this unit was inferior (just Theory) and has prematurely failed at no fault of the Department or its Personnel.

If you have any questions in the future please feel free to contact me by information listed below.

Sincerely,

Kenneth D. Lankford

GearHeadz Unlimited Inc.

704-290-4831, ken@gearheadzunlimited.com

GearHeadz Unlimited
2327 Grayson Parkway
Monroe, NC 28110 US
(704) 290-4831
ken@gearheadzunlimited.com



ESTIMATE

ADDRESS

North Gaston VFD Tanker 213
110 Tompkins Street
High Shoals, North Carolina
28077 USA

ESTIMATE # 1014
DATE 01/28/2018

TRUCK DESCRIPTION	VIN #	MILAGE /HOURS		
ACTIVITY		QTY	RATE	AMOUNT
Part:Part Darley Pump Assembly THIS DOES NOT REFLECT CORRECT PRICE OF THIS ASSEMBLY OR ANY ADDITIONAL PARTS NEEDED TO COMPLETE INSTALL.		1	31,000.00	31,000.00T
Labor:Labor Remove and replace Complete Pump assembly, pump panel modification, Drive line angle modification, custom fab, third party pump testing.		125	90.00	11,250.00T
Shipping:Shipping Truck Freight		1	1,500.00	1,500.00T
THIS IS AN ESTIMATE ONLY DOES NOT REFLECT ACTUAL FINAL COSTS OF REPAIR.		SUBTOTAL		
		43,750.00		
		TAX (6.75%)		
		2,953.13		
		TOTAL		
		\$46,703.13		

Accepted By

Accepted Date



Emergency Vehicle Services, Inc.

January 11, 2018

*North Gaston Fire & Rescue
Re: Tanker 13
Darley Pump 1500 GPM*

- (1) Remove curb side pump panel for access.
- (2) Remove discharge manifold and valves on top of the pump along with distribution manifold.
- (3) Remove drive shaft.
- (4) Remove the pump transmission and connecting items.
- (5) Remove the cooler at the front of the pump.
- (6) Remove the pump housing, impeller, shaft and all related parts from the intake and discharge headers.
- (7) Supply and install one new pump housing, pump shaft, impeller, stuffing boxes, pump packings, etc. Included is a drawing of the replacement pump and related parts.
- (8) Supply and install all new gaskets as needed.
- (9) Install cooler at front of pump.
- (10) A) Install pump transmission and connecting items.
B) Replace pump transmission oil.
- (11) Install drive shafts.
- (12) Install top discharge manifold and valves on top of the pump along with the pump distribution manifold.
- (13) Fill tank with water in order to run pump and test for leaks and proper working order.
- (14) Install curb side pump panel.
- (15) Perform a third party test by Rich Albaugh of this new pump after repairs are complete.

Ball Park Estimate Parts & Labor: \$11,256.65 plus applicable tax



Emergency Vehicle Services, Inc.

***Effective March 1, 2016, All labor and installation services performed in North Carolina are taxable as defined in NC Tax Statute 105-164.4(A). ***

We appreciate the opportunity to submit this estimate to you. Please let us know if you have any questions or need additional information.

**Please Note: Unless other arrangements are made, our standard company policy request payment upon completion of work at our facility (241 Advent Church Road, Taylorsville, NC 28681).*

Sincerely,

W. Matthew Richey

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