

To: Selectmen  
Town of Nelson  
23 April 2014

Several issues with our fire vehicles were uncovered during their annual inspections.

This letter accompanies the repair quotes from Valley Fire Equipment. The trucks are currently serviceable, but Valley believes that there is high risk that failure will occur during usage. Trucks have been inspected and are in service today.

#### 2001 International Pumper Truck

Has excessive wear in the main pump. Invoice #5009 shows that Valley serviced the pump and tightened the packings, but recommends that the pump be rebuilt. The rebuild estimate is between \$11,200 to \$13,620 depending on whether all internal parts have to be replaced.

I have done the research to get cost estimates, and am presenting this information to the selectmen for decision.

#### 1986 International Tanker

The pump for the tanker needs to be rebuilt, but cannot be rebuilt because it is no longer manufactured. The truck is in very aged condition; needs a new fuel tank (current tank is severely rusted), Spring U bolts will likely not pass inspection next time, rear axle housing is extremely rusted, and there is major rust on the body and cab/chassis. Valley's recommendation is that due to the age of this vehicle and the pump being obsolete, they recommend replacement rather than repair of this apparatus.

Best Regards

Bud French

Fire Chief Town Of Nelson



Town office

A Division of Valley Transportation Inc

Nelson Fire Department  
Chief Bud French  
7 Nelson Common Rd.  
Nelson, NH 03457

April 23, 2014

RE: 2001 International Pumper, pump problems.

Chief French,

This letter is to inform you in more detail of the problems you are currently experiencing with the pump on your 2001 International pumper. Please find more detailed information regarding the inspection of the pump that was performed the beginning of April below.

- Tried to tighten the packing's, but due to the age of the pump we could not get them to tighten properly. Unfortunately the only way to adjust them now is to remove the pump from the truck and replace them with new ones. While the pump is out of the truck it would be prudent to examine the internal workings of the pump to check for wear or damaged parts.
- Pump Service- During the pump service we drained gear lube oil and found **Excessive metal** in the oil. The probable cause is improper shifting (grinding). We filled the gear case with new oil. Lubricated all valves. Rebuilt tank to pump valve & pump to tank valve. Cleaned out and repaired rear most main drain valve.
- The metal we found in the oil tells us that there are parts inside the pump that need to be replaced. Currently the pump is operational, but not the best choice to use as a front line apparatus due to the unknown problems inside the pump. Your best option is to have the pump & gear case removed, inspected and repaired.

If you need any further assistance, please feel free to contact us at any time. We thank you and your Department for choosing Valley Fire Equipment to service and repair your apparatus.

Sincerely,

Rob Steiz, Sales & Service Manager

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(603) 938-2271 \* Fax (603) 938-2273 \* [www.ValleyFireEquipment.com](http://www.ValleyFireEquipment.com)



A Division of Valley Transportation Inc

Nelson Fire Department  
Chief Bud French  
7 Nelson Common Rd.  
Nelson, NH 03457

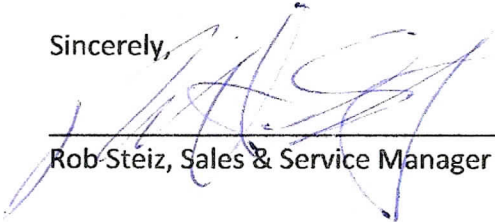
April 23, 2014

RE: 2001 International Pumper, pump rebuild *Estimate*.

- Remove gear case from truck.
- Disassemble gear case. Inspect all internal parts for excessive wear or damage.
- Install new repair parts.
- Reassemble gear case.
  
- Remove pump from truck.
- Disassemble pump. Inspect all internal parts for excessive wear or damage.
- Install new repair parts.
- Reassemble pump.
- Install pump and gear case back into truck.
- Perform pump test.

\**Estimated* cost for pump/gear box rebuild: Between \$11,200.00 & \$13,620.00  
Time for completion is roughly 30 working days, depending on availability of parts.

Sincerely,



Rob Steiz, Sales & Service Manager

Acceptance of Estimate

\_\_\_\_\_  
Name & Title                      Date

\*Estimate is a Worse case scenario, if we would have to replace all the internal parts.