

# Big Water Fire Apparatus LLC

## Annual Fire Pump Maintenance & Certification

*The Mechanic that still makes house calls.*

Cell 715-292-0499 Home 715-682-6100

<http://www.bigwaterfireapparatus.com>

Ashland, Wisconsin

Est. 2000

September 1, 2022

Apparatus: 2007 International /Darley Engine #1  
Fire Pump: # 89737 PSM 1250 GPM  
Mileage: 9,502.0  
Hours: 926.0 TRK# 062736  
VIN: 1HTWDAZR98J568066



Chassis Maintenance started on August 15, 2022.

### Chassis Maintenance began by inspecting the following items:

- \* Tires new in 2007 15 years old
- \* Tire Pressures: Streetside Front 84 psi Streetside Rear Inside Dual 65 psi Outside Dual 72 psi  
Curbside Front 82 psi Curbside Rear Inside Dual 67 psi Outside Dual 70 psi

**All Tires have been adjusted to manufactures specs 120 psi.**

- \* Windshield Washer Fluid low- **Fluid topped off**
- \* Anti-Freeze Fluid low- **Fluid topped off**
- \* Engine Oil- **Proper level**
- \* Alternator Belt showing signs of being frayed on the edges (**recommend replacement**)
- \* Front Slack Adjusted Pins Frozen- **Pins were freed up Pins move easily now.**
- \* Chassis was visually inspected - **All appeared in good working order.**
- \* Front Suspension was inspected - **All appeared in good working order.**
- \* Exhaust System was visually inspected - **Appears to be in good condition.**



- \* Adjusted Front Brakes
- \* Rear and Front Slack Adjusters Pins Frozen- ***Pins were freed up. Pins move easily now.***
- \* Adjusted Rear Brakes
- \* Front-end tight no excessive play noted- ***Needs greasing***
- \* Rear Spring Packs- ***appears to have an outward tilt. It appears to be, that, something is not correct with the rear spring position, however, an outside heavy truck repair vendor states this is normal.***
- \* Rear U-bolts and Brackets Rusted (***recommend replacement***)
- \* Battery System Manufacture Date 7/17 Rate 700 CCA  
Tested #1 550 CCA #2 900 CCA  
All Battery Terminals were loose- ***Cleaned and Tightened***
- \* Curbside Dump Valve- ***electrical connection reconnected Valve worked correctly after repair***
- \* Fuel Injector Cleaner- ***Added***
- \* Added Shoreline Air Shut-off
- \* Added Tool Holders and Wrenches
- \* Replaced Step Light and Harness



### **Fire Pump Inspection:**

- \* Primer System Tested X2 Primer pulled 19.50 inches of Vacuum within manufacturer specs.
- \* Vacuum lost after 5 minutes .75 inches Vacuum Test Passed
- \* Compressed Air Foam System not engaging- ***Troubleshooting needs to take place possible failure caused by faulty wiring or Transducer.***
- \* Slight Water Leak noted to the Deck Gun while under pressure- ***Ball Valve needs to be Overhauled Field Service Kit recommended.***

### **Future Repairs:**

- \* Annual Chassis Maintenance (oil and oil filter, fuel filters, chassis grease)
- \* Tire Replacement
- \* Annual Fire Pump Maintenance and Recertificating
- \* Troubleshoot CAFS lack of operations
- \* Deck Gun Ball Valve Overhaul
- \* Batteries are at 5 years old and one Battery tested low CCA (***recommend replacement***)
- \* Rear U-bolt Replacement

### **End of this Report**