

INSPECTION

REPORT

CUSTOMER: Parsons Fire Department

DATE: 12/18/2013

ADDRESS: 1819 Washington Parsons, Kansas 67357

PHONE #: (620) 421-7050

UNIT #: Ladder 1

MANUFACTURER: E-One

MODEL #: 75 FT

SERIAL #: 12579

TYPE: Aerial Ladder

YR. OF MFG. 1993

National Fleet Testing Services, Inc.
4300 Ironwood Drive
Leavenworth, Kansas 66048
(913) 912-9450

A certification of inspection can only be issued when any defects listed as a category I or II have been noted and repaired according to manufacture's specifications. Once the repairs have been completed, please send a copy of the repair invoice with the following information on it: work order or invoice number of the company that performed the work; the unit, manufacture, model, and serial number of the unit; and a signed copy of the attached document by the fire department representative responsible for the unit to the following address:

National Fleet Testing Services, Inc.
4300 Ironwood Drive
Leavenworth, Kansas 66048

Thank you for allowing us to serve you.

Should you have any questions or comments, please contact us at (913) 912-9450.

SUMMARY OF TEST

Customer Parsons Fire Department

Unit # Ladder 1 Date 12/18/2013 Year of Manufacture 1993

Manufacturer E-One *Unit Defect Category # V

Model # 75 FT Serial # 12579 Aerial Hours N/A

Weather Conditions Clear Wind Velocity 0-5 m.p.h.

Address 1819 Washington Parsons, Kansas 67357 Temperature 50

REASON FOR INSPECTION:

Annual Inspection ☒ Preservice ☐ Collision ☐ Before Repair ☐ After Repair ☐

APPLICABLE NDT METHODS AND INSPECTIONS

| | OK | See Summary | N/A |
|---|----|-------------|-----|
| Operational test of aerial unit. | X | | |
| Magnetic particle test of welds. | X | | |
| Ultrasonic test of all accessible pins. | X | | |
| Torque performed on all accessible bolts. | X | | |
| Drift test of hydraulic cylinders. | X | | |
| Load test of aerial ladder. | X | | |
| Stability test of aerial platform. | | | X |
| Dye penetrant test of welds. | | | X |
| Ground ladder(s) inspected. | X | | |
| Hydraulic oil sample (to be mailed back). | X | | |
| Other. | | | |

Category Classification:

- I. Items - Unit Shall Be Taken From Service
- II. Items That Will Affect Certification of Aerial Unit
- III. Items That Can Be Repaired at Regular Maintenance
- IV. Items for Information Purpose
- V. No Defects Noted at Time of Inspection

Manufacturer's recommendations as to frequent inspections and overhaul schedules must be followed to assure safe operation of this unit

Discrepancies are noted on the next page.

DRIFT/ OPERATIONAL/ NDT SHEET

Customer Parsons Fire Department Unit # Ladder 1 Date 12/18/2013
Engine R.P.M. 1200 Hydraulic Pressure 2500 P.S.I.
Maximum Reach 67'8" Maximum Height 75'
Drift Test Start Time 1:00 Stop Time 2:00

DRIFT TEST

Hydraulic Oil at Ambient Temperature

OUTRIGGER: Front Streetside N/A Front Curbside N/A
Rear Streetside 0 Rear Curbside 0

LIFT CYLINDER: Ladder or Lower Boom 0.050"/Hour
Upper Boom N/A
Extension Cyl. 0

OPERATIONAL TEST

AERIAL LADDERS / ELEVATING PLATFORM

Set Outriggers 18 Seconds.
Raise Ladder 60° 32 Seconds.
Complete Rotation 66 Seconds.
Fully Extend 20 Seconds.
Raise Ladder 60°, Rotate 90°, Fully Extend 45 Seconds 150 Allowed.
Load Test _____ ° at _____ lbs. 60 ° at 750 lbs.

ARTICULATING BOOM

Set Outriggers N/A Seconds.
Raise Ladder 60° N/A Seconds.
Complete Rotation N/A Seconds.
Fully Extend N/A Seconds.
Raise Lower Boom 90°, Raise Platform to Max. Ht., Rotate 90° N/A Seconds N/A Allowed.
Stability Test Load N/A lbs.

ULTRASONIC INSPECTION

Manufacture Krautkramer Model DM4

MAGNETIC PARTICLE TEST

Manufacture Parker Model _____

HARDNESS TEST/ TORQUE CHECK SHEET

HARDNESS TEST

Hardness Tester type: Barcol Acceptable: Yes or No N/A

TORQUE CHECK

TOP TURNTABLE BEARING ATTACHMENT BOLTS:

Number of bolts checked (%) 100 at 530 foot pounds.

LOWER TURNTABLE BEARING ATTACHMENT BOLTS:

Number of bolts checked (%) 100 at 530 foot pounds.

Comments: _____