

Fire Service Repair Pumper Service Test

9180-5257
2025

 x **Pass** **Fail** **Service Test**
 Pass x **Fail** **Vacuum Test**

Department Unit # Motor Trucks Weather sunny Temp. 72 Barometer 30.04 Date: 8.24.21
 Ser # DOM 5.92 Mileage 98127 Eng. Hrs 7635 Pump Hrs
 Pump Brand American Single stage x Two stage Model FSD125 Ser # G12336
 Suction Hose Size: 6 inches X 20 feet Eng. Type International
 Lift from water to center of steamer 1 foot X 6 inches Trans. Type Allison
 Dry primed draft in 12 seconds @ 2 vacuum
 Tank to pump GMP test @ 150 PSI = GPM
 Speed Counter Ratio to equals for speed counter reading
First Test, Capacity @ 150 PSI for 20 minutes. Electrical systems on X water temp. 82
 Rated GPM 1250 @ 2160

Time	Counter	Panel	Cab	Pump	Test	Vac.	Test	GPM	Eng Temps	Oil Pressure
Mins.	RPM	RPM	RPM	Press	Press	Inch	Vac.	Pitot	Panel Cab	Panel Cab
20	OOS	2200	2090	150	149	2	2	1280	OOS 190	45 60
15	OOS	2200	2090	150	149	2	2	1280	OOS 190	45 60
10	OOS	2200	2090	150	149	2	2	1280	OOS 190	44 60
5	OOS	2200	2090	150	149	2	2	1280	OOS 190	44 60
0	OOS	2200	2090	150	149	2	2	1280	OOS 190	44 60

Volume x
Pressure

Overload test @ 165 PSI Counter read Pitot reading if used
Relief Test: n/a PSI rise set @ 150 PSI and closing all discharges. Pitot Tip Size, if used
Relief Test: n/a PSI rise set @ 90 PSI and closing all discharges.
 Hose Layout: 2 x 3 x 50
 Remarks: speed counter cable is broken; Pro S display is unreadable; discharge pressure gauge for master is accurate @ 150 psi; display was replaced and a new pressure transducer

Second Test, @ 200 PSI for 10 minutes. Electrical systems on X water temp 84
 Rated GPM 875 @ 2274 speed counter reading

Time	Counter	Panel	Cab	Pump	Test	Vac.	Test	GPM	Eng Temps	Oil Pressure
Mins.	RPM	RPM	RPM	Press	Press	Inch	Vac.	Pitot	Panel Cab	Panel Cab
10	n/a	2375	2200	200	200	1	1	900	OOS 205	42 55
5	n/a	2375	2200	200	200	1	1	880	OOS 208	42 55
0	n/a	2375	2200	200	200	1	1	880	OOS 208	42 55

Volume x
Pressure

Relief Test: PSI rise set @ 200 PSI and closing all discharges. Pitot Tip Size, if used
 Hose Layout: 2 x 3 x 50
 Remarks: discharge pressure gauge for master are accurate @ 200 psi;

Third Test, @ 250 PSI for 10 minutes. Electrical systems on X water temp 86
 Rated GPM 626 @ 2458 speed counter reading

Time	Counter	Panel	Cab	Pump	Test	Vac.	Test	GPM	Eng Temps	Oil Pressure
Mins.	RPM	RPM	RPM	Press	Press	Inch	Vac.	Pitot	Panel Cab	Panel Cab
10	n/a		2400	250	249	1	1	640	OOS 210	42 55
5	n/a		2400	250	249	1	1	650	OOS 210	42 55
0	n/a		2400	250	249	1	1	630	OOS 210	42 55

Volume x
Pressure

Relief Test: n/a PSI rise set @ 250 PSI and closing all discharges. Pitot Tip Size, if used
 Hose Layout: 2 x 3 x 50
 Remarks: mechanical seal leaks; pressure transducer was replaced w/new
 *** pressure control was re-tested 10.1.21***

Vacuum Test: Pulled 18 inches in 45 seconds Dropper ALL inches in 5 minutes

Lift and Net Pressure Formulas:
 F.L. in psi. for single (6") 1000=4" 1250=6.5" 1500=9". divided by 2.3 = suction friction loss.
 Lift from bottom of strainer to center of steamer in feet divided by 2.3 = lift loss.



Fire Service Repair LLC

14423 Three Lakes Road
Snohomish, WA 98290

EIN: 20-4579873

Quality. Integrity. Experience.

Invoice

Bill To

Motor Trucks Inc
929 Thomas Road
Bellingham WA 98226
Attn: Justin

Date	Invoice #	P.O. Number
9/23/2021	5917	
Project		
Due Date		
10/23/2021		

Serviced	Item Code	Description	MPN	Quan.	Each	Amount
10/1/2021	NFPA 1911 ...	NFPA 1911 Pump test		1	330.00	330.00
10/1/2021	Intake Press...	FRC Intake Pressure Transducer	XE-IO3100 PT3-SOB Repair	1	430.00	430.00
	Repair Incoming frei...	Repair for PRO-S3 Incoming freight		1	80.00 20.49	80.00 20.49
	EVT - Pump ...	Pump Repair Labor		3	140.00	420.00

155 B.11
2025

Phone #	E-mail	Fax #
(360) 568-1729	Denise@fireservicerepair.com	(360) 568-1769

Subtotal	\$1,280.49
Sales Tax (0.0%)	\$0.00
Total	\$1,280.49

It has been our pleasure to serve you!



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10/1/2021	Intake Press...	FRC Intake Pressure Transducer	XE-IO3100	1	430.00	430.00
	Repair	Repair for PRO-S3	PT3-SOB	1	80.00	80.00
	Incoming frei...	Incoming freight	Repair		20.49	20.49

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