



# MISSISSIPPI STATE RATING BUREAU

P.O. BOX 5231, JACKSON, MISSISSIPPI 39296-5231  
6455 WIRTZ ROAD, FLOWOOD, MISSISSIPPI 39232-7801  
TELEPHONE (601) 981-2915 • FAX (601) 981-2924

September 13, 2021

Mr. Minor Norman  
Madison County Fire Coordinator  
1633 West Peace Street  
Canton, Mississippi 39046

Dear Mr. Norman:

RESULTS OF ACCEPTANCE TESTS  
ON NEW PUMPER #75064  
MADISON COUNTY  
MADISON COUNTY, MISSISSIPPI

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We are enclosing a self-explanatory copy of the tests conducted on the above pumper on September 9, 2021.

The test of the apparatus herein described has been made under the conditions stated and performance has been as herein noted. No representation or warranty of any kind is made with respect to the apparatus tested.

The purpose of witnessing these tests is to gather information needed to determine a fire insurance classification which may be used to develop fire insurance rates. It is not for property loss prevention or life safety purposes and no life safety or property loss prevention recommendations are made.

Sincerely,

Richard Parham  
Field Rating Representative  
Public Protection

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# Mississippi State Rating Bureau

## Results of Acceptance Test for Automobile Pumping Engine

Community: MADISON COUNTY

County: MADISON

Date: Thursday, September 9, 2021

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Test Witnessed By:	RICHARD PARHAM	Mississippi State Rating Bureau
Test Conducted By:	BUDDY LANE-ROSENBAUER	Delivery Engineer
Maker's Name:	ROSENBAUER MINNESOTA LLC	
Maker's No.:	75064	

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Guaranteed Capacity @ 150 Pounds Net Pump Pressure: 2000 Gallons per Minute

Guaranteed Capacity @ 200 Pounds Net Pump Pressure: 1400 Gallons per Minute

Guaranteed Capacity @ 250 Pounds Net Pump Pressure: 1000 Gallons per Minute

Type: 101' ENGINE\LADDER  
Engine : CUMMINS SERIAL # 80267885  
Pump: WATEROUS SERIAL # 173187  
Ratio 1: 2.46

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**First Test: Duration = Two (2) Hours**

LAYOUT OF HOSE AND NOZZLE: FOUR 50' SECTIONS OF 3 INCH HOSE INTO A 2-2 INCH NOZZLE.(DISCHARGE VALVE THROTTLED)

Average Discharge: 2000 GALLONS PER MINUTE

Average Net Pump Pressure: 150 POUNDS PER SQUARE INCH

Average Engine Speed 1850 REVOLUTIONS PER MINUTE

Average Pump Speed: 4551 REVOLUTIONS PER MINUTE

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**Second Test: Duration = Thirty (30) Minutes**

LAYOUT OF HOSE AND NOZZLE: TWO 50' SECTIONS OF 3 INCH HOSE INTO A 2.5 INCH NOZZLE.(DISCHARGE VALVE THROTTLED)

Average Discharge: 1400 GALLONS PER MINUTE

Average Net Pump Pressure: 200 POUNDS PER SQUARE INCH

Average Engine Speed 1770 REVOLUTIONS PER MINUTE

Average Pump Speed: 4354 REVOLUTIONS PER MINUTE

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**Third Test: Duration = Thirty (30) Minutes**

LAYOUT OF HOSE AND NOZZLE: TWO 50' SECTIONS OF 3 INCH HOSE INTO A 2 INCH NOZZLE.(DISCHARGE VALVE THROTTLED)

Average Discharge: 1000 GALLONS PER MINUTE

Average Net Pump Pressure: 250 POUNDS PER SQUARE INCH

Average Engine Speed 1890 REVOLUTIONS PER MINUTE

Average Pump Speed: 4649 REVOLUTIONS PER MINUTE

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**Remarks: Performance: Satisfactory**

AT 165 P.S.I. NET PUMP PRESSURE 2000 G.P.M. WAS DELIVERED AT 1880 R.P.M. ENGINE SPEED.

(NOTE - LIFT ON THIS TEST WAS 9 FEET USING 5 10-FOOT SECTIONS OF 6 INCH HARD SUCTION HOSE.)

TWO MONITORS USED ON 100% CAPACITY TEST WITH 2 INCH TIPS ON EACH. 70 AND 50% TESTS USED 1 MONITOR. RPM HIGH ON 100% TEST DUE TO RESTRICTIONS.