

# Mobile Fire Apparatus Inspection Form

**Agency**

Waynesboro Fire Department

**Truck Designation**

Reserve Engine 11 (old Engine 10, #299)

Friday, August 18, 2023

**VIN #:** 1S9A1BLD0X1003035**Manufacture, Chassis** Sutphen**Manufacture, Truck** Sutphen**Truck Model****Odometer** 5275**Engine Hour** 389**Manufacture, Pump** Hale**Pump Model** QMAX 200-23L**Pump Serial** 75896**Generator Model****Generator Serial**

# Chassis Engine

## Engine Lubrication

	Inspected	Notes
Oil Level	Corrected/Serviced	36 quarts
Oil Leakage	Satisfactory	
Oil Filter	Corrected/Serviced	

## Engine Cooling

	Inspected	Notes
Coolant Level	Satisfactory	
Coolant PH/additive	Corrected/Serviced	nitrite 1200,freeze point -60 ,ph 9.5 (Old coolant, new coolant added with new radiator)
Coolant Filter	Corrected/Serviced	BW5139
Coolant Hose Condition	Satisfactory	
Cooling system Pressure Test	Corrected/Serviced	
Radiator Cap	Satisfactory	
Radiator Clean	Corrected/Serviced	Old radiator clogged & leaking, replaced as part of other work order
Fan & Clutch	Satisfactory	
Fan Shroud	Satisfactory	
Thermostat	Satisfactory	
Heat Exchanger Hoses	Satisfactory	

## Other Fluids

	Inspected	Notes
Fuel Leakage	Satisfactory	
Fuel Filter(s)	Corrected/Serviced	replaced
Power Steering Fluid	Satisfactory	
Power Steering Leakage	Satisfactory	
Windshield Washer Fluid	Satisfactory	

## Intake

	Inspected	Notes
Air Filter	Not Satisfactory	need to replace wix 546891
Tubes & Hoses	Satisfactory	
Inter-cooler	Satisfactory	
Ember Separator	Satisfactory	
Intake restriction gauge	Satisfactory	

## Exhaust

	Inspected	Notes
Exhaust Leakage	Satisfactory	
Security of Mounting	Satisfactory	
Deformation	Satisfactory	
Muffler	Satisfactory	
DEF Level	No	
DEF Leakage	No	
DEF Test	No	

## Mechanical

	Inspected	Notes
Belts Condition	Satisfactory	
Belt Tensioner	Satisfactory	
Alternator Mounting	Satisfactory	
Engine Mounting	Satisfactory	

## Chassis Engine File Upload:

[91cc6714.Document.013859](#)  
[61459977.Document.193624](#)

## Chassis Engine Comment:

Most recent recorded pm was in 2020

## Chassis Electrical:

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### Low-Voltage

	Inspected	Notes
Shoreline Charge Voltage	Satisfactory	
Charging System Voltage	Satisfactory	
Battery Terminals	Satisfactory	
Electrolyte Level	Satisfactory	
Battery(s) Conductivity Test	Satisfactory	
Starter Voltage Drop	Satisfactory	
Alternator Voltage Drop	Satisfactory	
Alternator Output Test	Satisfactory	
Alternator Regulator Test	Satisfactory	

### Battery Testing

Battery	Result
Central	Passed

### DOT Equipment

	Inspected	Notes
Headlights High/Low	Satisfactory	
Parking & Clearance	Satisfactory	
Tail & Stop Lights	Satisfactory	
Turn Signal / Hazard	Satisfactory	
Backup Lights	Satisfactory	
Backup Alarm	Satisfactory	
License Plate Lamp	Satisfactory	
Automotive Horn	Satisfactory	

### Warning / Scene Lighting

	Inspected	Notes
Compartment lights	Satisfactory	
Warning Lights	Satisfactory	
Forward White Warning Cut-Off Interlock	Satisfactory	
Hose Bed Lights	No	
Ground Lights	Not Satisfactory	all rear are not working
Electronic Siren	Satisfactory	

<b>Mechanical Siren (Bearings / Mounting)</b>	Satisfactory	
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### Line Voltage Source

	Inspected	Notes
<b>Voltage</b>	Satisfactory	
<b>Frequency</b>	Satisfactory	
<b>Controls</b>	Satisfactory	

### Appliances

	Inspected	Notes
<b>Cord Reels Voltage Drop</b>	Satisfactory	
<b>Receptacles Voltage Drop</b>	No	
<b>Scene Lights</b>	Satisfactory	
<b>Circuit Breaker Box</b>	Satisfactory	
<b>GFCI Receptacles</b>	No	
<b>Light Tower</b>	No	

## Chassis and Components

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### Transmission

	Inspected	Notes
<b>Fluid Level</b>	Satisfactory	
<b>Fluid Leakage</b>	Satisfactory	
<b>Transmission mounting</b>	Satisfactory	

### Driveshaft

	Inspected	Notes
<b>U-joints/yokes</b>	Not Satisfactory	rear slip joint has a lot of play
<b>Carrier bearings</b>	Satisfactory	
<b>Differential oil</b>	Satisfactory	

### Rear Axle

	Inspected	Notes
<b>Axle Flange leaks</b>	Satisfactory	
<b>Rear Spring condition</b>	Satisfactory	
<b>Frame Rails/crosses</b>	Satisfactory	

### Front Axle

	Inspected	Notes
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<b>Springs Condition</b>	Satisfactory	
<b>Shocks</b>	Satisfactory	
<b>Wheel bearing Lube</b>	Satisfactory	
<b>King pin grease</b>	Satisfactory	

### Brakes

	<b>Inspected</b>	<b>Notes</b>
<b>Brake condition (thickness)</b>	Satisfactory	
<b>Brake Adjustment</b>	Not Satisfactory	Red Line Visible (fox: Not sure which wheel this is)
<b>Air Brake valves and tanks</b>	Satisfactory	
<b>Drain air tanks</b>	Satisfactory	
<b>Brake pedal pivot pin</b>	Satisfactory	
<b>Air Leak-down</b>	Satisfactory	
<b>Air build-up</b>	Satisfactory	
<b>Parking Brake</b>	Satisfactory	

### Steering

	<b>Inspected</b>	<b>Notes</b>
<b>Tie Rods &amp; Boots</b>	Satisfactory	driver side boot is torn
<b>Steering linkage</b>	Satisfactory	
<b>Steering box</b>	Satisfactory	
<b>Steer box fluid level</b>	Satisfactory	
<b>Fluid leakage(S)</b>	Satisfactory	

### Chassis Components

	<b>Inspected</b>	<b>Notes</b>
<b>On-Spot Chains</b>	Satisfactory	
<b>Grease chassis</b>	Corrected/Service	
<b>Fuel Tank mounting</b>	Satisfactory	
<b>Fuel leakage(C)</b>	Satisfactory	

### Axles are numbered from front to rear

	<b>Tread Depth</b>	<b>Pressure(PSI)</b>	<b>Date Code(WWY Y)</b>	<b>Concerns</b>
<b>1 / Right</b>	>10/32"	120	2721	
<b>2 / Left - Outer</b>	>10/32"	110	1818	
<b>2 / Right - Inner</b>	>10/32"	110	0219	
<b>3 / Left - Inner</b>				
<b>3 / Right - Outer</b>				

1 / Left	>10/32"	120	2721	
2 / Left - Inner	>10/32"	110	1818	
2 / Right - Outer	>10/32"	110	0219	
3 / Left - Outer				
3 / Right - Inner				

## Cab & Body

### Cab

	Inspected	Notes
Cab Latches	Satisfactory	
Cab Tilt Hinges	Satisfactory	
Tilt Fluid	Satisfactory	
Door Hinges / Latches	Satisfactory	
Windshield (cracks)	Satisfactory	
Window Operation	Satisfactory	
Cab Seat Condition / Mounting	Satisfactory	
Seat Belts (Frays, Latch)	Satisfactory	
Seat Belt Occupancy Warnings	Satisfactory	
Steering Wheel Condition / Play	Satisfactory	
Heater / Defroster	Satisfactory	
A/C	No	a/c compressor is bad, belt is removed
Wipers Condition	Not Satisfactory	Officers side bad
Wipers / Washer Operation	Not Satisfactory	Wipers work, washer does not
Switches (Sticky, Illumination, Cracks)	Satisfactory	
Cab Interior Lights	Satisfactory	
Dash/Gauge Lights	Satisfactory	
Do Not Move' Cab warning light	Satisfactory	

### Body

	Inspected	Notes
Compartment Door Latches	Satisfactory	
Compartment Door Hings / Springs	Satisfactory	
Operator's Slide-Out Platform	No	

Steps (Cab, pump panel, hose bed)	Satisfactory	
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## Road and Operational Test

### Road Test

	Inspected	Notes
Engine Oil Pressure	Satisfactory	
Engine Coolant Temperature	Not Satisfactory	Never rose above 150°F. Either stuck open thermostat, or bad temperature sensor. **maybe related to another work order for broken intercooler bracket which chaffed a wire**
Tachometer Operation	Satisfactory	
Speedometer Operation	Satisfactory	
Auto Trans Shift (Smooth)	Satisfactory	
Manual Trans Clutch	No	
Manual Trans Shift	No	
Brake Operation	Satisfactory	
Drive Line Vibration	Satisfactory	
Air Governor Cut-In / Cut-Out PSI	Satisfactory	
Steering Stability (Vibration / Shaking)	Satisfactory	
Front End Noises	Satisfactory	
Engine Fan Clutch	No	



# Pump and Water Tank

## Pump Maintenance

	Inspected	Notes
Pump Trans Oil	Corrected/Service	5 quarts
Pressure Control Device (Response Time)	Satisfactory	
Transfer Valve	No	
Intake Relief Valve	No	
Primer Operation	Satisfactory	
Vacuum Test (Initial / 5 min. Drop)	Satisfactory	
Pump Packing Drip Rate	No	
Mechanical Seal No Leakage	Satisfactory	
Valve Cap / Plug Gasket	Satisfactory	
Tank-To-Pump Check Valve	No	
Auxiliary Engine Cooler	Satisfactory	
Auto-Lube Oil (Hale)	Not Satisfactory	need to change oil
Intake Screens	Satisfactory	
Anodes	Satisfactory	
PTO Pump Driveline	Satisfactory	

## Pump & Valve Controls

	Inspected	Notes
Pump Engaged / OK-To-Pump Lights	Satisfactory	
Throttle Interlocks	Satisfactory	
Auto Trans Lockup	Satisfactory	
Pump Shift Actuator	Satisfactory	
Pump Panel Engine Gauges	Satisfactory	
Pump Panel Illumination	Satisfactory	
Master / Compound Gauge Accuracy	Satisfactory	
Discharge Gauge Accuracy	Satisfactory	
All Gauges Display Condition	Satisfactory	
Water Level Gauge	Satisfactory	
Drain Valves	Satisfactory	
Auto-Drain Valves	Satisfactory	
MIV Operation & Lube	Satisfactory	

<b>MIV Position Indicators</b>	Satisfactory	
<b>Valve Linkage / Locks</b>	Satisfactory	

**Pump Accessories**

	<b>Inspected</b>	<b>Notes</b>
<b>Suction Strainer</b>	Satisfactory	
<b>Hard Sleeve &amp; Gaskets</b>	Satisfactory	
<b>Deck Gun Lubrication</b>	Satisfactory	
<b>Booster Reel Lube</b>	Satisfactory	
<b>Primer Fluid</b>	Satisfactory	

## Foam / CAFS System

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### Foam Proportioner

	Inspected	Notes
Instrumentation, Gauges, Controls	No	
Strainer / Filter	No	
Pump Oil	No	
Check Valve	No	
Calibration check	No	
Flow Meter	No	

### CAFS

	Inspected	Notes
Hydraulic Drive System	No	
Hydraulic Fluid Level	No	
Compressor Oil	No	
Air Filter(C)	No	
Pressure Control Test	No	

## Aerial Device Inspection

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### Hydraulic Systems

#### Turntable

	Inspected	Notes
Rotation gear reduction box	No	
Rotation hydraulic swivel	No	
Lines and hoses	No	
control valve	No	

#### Chassis

	Inspected	Notes
Hydraulic tank	No	

Hydraulic Fluid Levels	No	
Hydraulic fluid sample	No	
PTO	No	
Hydraulic pump	No	
Auxiliary power pump	No	
Lines and hoses	No	

### Stabilizer

	Inspected	Notes
Cylinders	No	
Control valve	No	
Lines and hoses	No	
Diverter valve	No	

### Aerial

	Inspected	Notes
Elevation cylinder	No	
Extension cylinder	No	
Lines and hoses	No	
Tip controls	No	

### Platform

	Inspected	Notes
Control valve	No	
Leveling Cylinders	No	
Tip controls	No	

### Structural Fasteners

	Inspected	Notes
Control valve	No	
Leveling Cylinders	No	
Tip controls	No	

### Tractor Drawn Components

	Inspected	Notes
Control valve	No	

Leveling Cylinders	No	
Tip controls	No	

### Stabilizer

	Inspected	Notes
Control valve	No	
Leveling Cylinders	No	
Tip controls	No	

### Lubrication

	Inspected	Notes
Control valve	No	
Leveling Cylinders	No	
Tip controls	No	

### Indicators

	Inspected	Notes
Control valve	No	
Leveling Cylinders	No	
Tip controls	No	

### Turnable Components

	Inspected	Notes
Control valve	No	
Leveling Cylinders	No	
Tip controls	No	

### Aerial Components

	Inspected	Notes
Control valve	No	
Leveling Cylinders	No	
Tip controls	No	

### Stabilizers Components

	Inspected	Notes
Control valve	No	

Leveling Cylinders	No	
Tip controls	No	

## Form Conclusion

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### Technicians

Trenton Hoover

### Signature

