

E1

137400

## CERTIFICATE OF ORIGIN FOR A VEHICLE



DATE NOVEMBER 30, 2012

INVOICE NO. 10301026

VEHICLE IDENTIFICATION NO.

YEAR

MAKE

4EN6AAA85C1007400  
BODY TYPE

2012

E-ONE

SHIPPING WEIGHT

FIRETRUCK  
H.P. (S.A.E.)

G.V.W.R.

NO. CYLS.

SERIES OR MODEL

450

45000

6

TYPHOON

I, the undersigned authorized representative of the company, firm or corporation named below, hereby certify that the new vehicle described above is the property of the said company, firm or corporation and is transferred on the above date and under the Invoice Number indicated to the following distributor or dealer.

NAME OF DISTRIBUTOR, DEALER, ETC.

GREENWOOD EMERGENCY VEHICLES INC  
530 JOHN DIETSCH BLVD  
NORTH ATTLEBORO, MA 02763-1080

137400

It is further certified that this was the first transfer of such new vehicle in ordinary trade and commerce.

E-ONE, INC.

BY:

(SIGNATURE OF AUTHORIZED REPRESENTATIVE)

(AGENT)

EM0011797

1601 S.W. 37 AVE.  
OCALA, FLORIDA 34474 USA

CITY - STATE



**GOWANS-KNIGHT CO., INC.**  
**PUMP SERVICE TEST**  
**REPORT**

CUSTOMER: RIDGEFIELD FIRE DEPARTMENT

DATE: 05/17/2023

REASON FOR TEST- ANNUAL SERVICE TEST: XX TEST AFTER REPAIR:

This report meets the requirements of NFPA Standard 1911, 2007 Edition, Chapter 18 and The Insurance Underwriters (ISO) recommendations. Our test facilities are certified by Underwriters Laboratories and testing equipment calibration is checked regularly.

Apparatus Number: ENGINE 1

Manufacturer: E-ONE

Year Built: 2012

Manufacturer Model: CUMMINS

Vin: 4EN6AAA85C1007400

Engine Manufacturer: CUMMINS

Model: ISL9

Pump Manufacturer: DARLEY

Model: PSM1500

SN: 291822

Capacity: 1500

GPM at PSI: 150

No Load Engine Speed: 2400

RPM

Ratio: 1:2.12

**Pump Pressure Plate Info.:**

100%	1509	GPM	1602	RPM 150 PSI
100%	1509	GPM	1830	RPM 165 PSI
70%	1053	GPM	1840	RPM 200 PSI
50%	750	GPM	1960	RPM 250 PSI

**Test Conditions**

Suction Hose Size: 1-6, 1-5

Length: 20'

Lift: 5.5'

Atmospheric Pressure: 29.80"

Air Temp.: 58 degrees

Water Temp.: 66 degrees

Test Site Elevation: 461'

**Vacuum Test**

Primer System Vacuum: 24

Loss in 5 Minutes: 4

Time to Prime: 32 seconds

**Tank to Pump Test**

Max Flow Rate: 680

GPM at Pump Pressure: 120

TIP Size: 1.75

**Intake Relief Valve Test**

Operating Pressures- Main:

Left: 150

Front:

Right: 150

Rear:



### 150 PSI Capacity Test

Hose Layout: (2) 50' 3" lines

Nozzle #1: 1 3/4"

Nozzle #2: 1 3/4"

Time	Actual RPM	Apparatus Tach	Vacuum Test Gauge	Master Apparatus Gauge	Discharge Test Gauge	Pitot #1	Pitot #2
1533	1784	INOP	9.4	140	146	68	68
1538	1796	INOP	9.4	145	146	68	68
1543	1798	INOP	9.4	145	146	68	68
1548	1788	INOP	9.4	145	146	68	68
1553	1789	INOP	9.4	145	146	68	68

### Pressure Control Test

150 PSI: 15 PSI Increase

90 PSI: 15 PSI Increase

### 165 PSI Overload Test

Time	Actual RPM	Apparatus Tach	Vacuum Test Gauge	Master Apparatus Gauge	Discharge Test Gauge	Pitot #1	Pitot #2
1556	1841	INOP	9.6	155	161	68	68
1601	1836	INOP	9.6	155	161	68	68

### 200 PSI 70% Test

Hose Layout: (2) 50' 3" lines

Nozzle #1: 1 1/2"

Nozzle #2: 1 1/2"

Transfer Valve Position: SINGLE STAGE

Time	Actual RPM	Apparatus Tach	Vacuum Test Gauge	Master Apparatus Gauge	Discharge Test Gauge	Pitot #1	Pitot #2
1604	1854	INOP	7	195	197	62	62
1609	1863	INOP	7	195	197	62	62
1614	1864	INOP	7	195	197	62	62

### 250 PSI 50% Test

Hose Layout: (1) 50' 3" line

Nozzle #1: 1 3/4"

Nozzle #2:

Transfer Valve Position: SINGLE STAGE

Time	Actual RPM	Apparatus Tach	Vacuum Test Gauge	Master Apparatus Gauge	Discharge Test Gauge	Pitot #1	Pitot #2
1617	1984	INOP	6.2	240	247	68	
1622	1981	INOP	6.2	240	247	68	
1627	1980	INOP	6.2	240	247	68	

### Pressure Control Test

250 PSI: 10                      PSI Increase

#### Pump Panel Gauge Readings

Pump Panel Gauge Readings:

Oil Pressure: 45 degrees                      Coolant Temp.: 185    degrees

System Voltage: 13                                      Transmission Temp.: 147 degrees

#### Apparatus Gauge Test

All gauges were checked unless noted below:

- CROSSLAYS

#### Final Results

<i>Test</i>	Capacity	Overload	200 PSI	250 PSI
Duration	20 Minutes	5 Minutes	10 Minutes	10 Minutes
Average Nozzle Pressure	NO.1- 68, NO.2- 68	NO.1- 68, NO.2- 68	NO.1- 62, NO.2- 62	68
Average Gallons Per Minute	1500	1500	1050	750
Suction Side Friction Loss	4.7	4.8	3.5	3.1
Average Net Pump Pressure	150.7	165.8	200.5	250.1
Average RPM Engine	1798	1841	1864	1984
Average RPM Pump	3812	3903	3952	4206

NOTE: The following discrepancies were noted during the performance of the test which caused the apparatus not to meet the requirements set forth in NFPA Standard 1911.

Unit Tested by: IAN BIRTWISTLE

Notice: The Gowans-Knight Co., Inc. or any of its employees can not be held liable for any failure of the apparatus driving engine, transmission, drive line, transfer case or pump occurring during the performance of this test.

Notes: Two Suctions Needed





# The Gowans-Knight Company

Fire Apparatus & Equipment  
49 Knight Street, Watertown CT 06795  
Tel.: 860-274-8801 Fax 860-274-7937  
email: gowansknight@snet.net  
website: www.gowansknight.com

REPAIR ORDER

24464

## ANNUAL INSPECTION

Chassis Service Checklist

Inspected By:

Inspection Sticker #

Customer Name & Address:

Ridgefield Fire Dept.

Date:

5-15-23

Contact Person:

VIN #

4EN1AAA85C1007400

Unit #

Engine 1

Vehicle Type:

Pumper

Model Year:

2012

Model:

Mileage:

813311

Hours:

NOTE: Check each item as completed.  
Note items of concern.

NOTES: (To include overall condition of vehicle,  
including but not limited to Front, Rear, Drivers Side &  
Passengerside side)

### INSPECTION CODE

✓ = OK

O = DEFECTIVE

X = REPAIR MADE

## 1. GAUGES AND CONTROLS

Inspect	Needs Repair	Repair Date	Description
✓			Check engine light is Not illuminated
✓			Oil Pressure
✓			Coolant temperature
✓			Voltmeter
✓			Amp meter
✓			Transmission temp
✓			Tachometer
✓			Fuel level
✓			DEF Level
✓			Dash Warning Lights
✓			Wiper / Washer / Blade condition
✓	O	MD	HVAC controls Foot Heater knobs Tighten nut
✓			Auxiliary fans
✓			Transmission shifter
✓			Clutch pedal
✓	O	12	Remove Brake Pedal Pin, Clean and Lubricate REPLACE DUST BOOT
✓	O		Steering wheel lash
✓	O	5-25	Power mirrors
✓			Mirror heat
✓			Air filter restriction gauge
✓			Cab equipment secure
✓			Doors / Locks

CERTIFICATION: This vehicle has passed all the inspection items for the annual vehicle inspection report in accordance with 49 CFR 396



# 1. GAUGES AND CONTROLS - continued

Inspect	Needs Repair	Repair Date	Description
✓			Cab interior lights
✓			Air horn, All Foot Switches/Push Buttons/Lanyards, Horn/Air Horn Switch
✓			Electric horn
✓			Electronic siren, PA
✓			Mechanical siren, Siren brake, ALL Foot switches/Push Buttons
✓			Windshield
✓	0	5-23	Side & door glass
✓			Seat belts, Anchor points & Seats
✓	0	6-5	Seat occupancy sensors
✓	0	6-5	Seat belt alarms
✓			SRS light is Not illuminated
✓			Cameras - Rear Reverse, Left Turn, Right Turn
✓	0		Door Handles & Door Locks
✓	0	5-23	Windows - OPERATE ALL
✓			Panels

## 2. EXTERIOR

Inspect	Needs Repair	Repair Date	Description
✓	0		Head lights - High beams HIGH BEAMS MOP
✓			Fog lights
✓	0		Marker lights
✓			Turn signals
✓			Brake lights
✓	0		Back-up lights & Alarm
✓			Reflectors
✓			Warning lights
✓			Compartment lights
✓			Compartment "Open Warning" light
✓			Ground lights
✓			Step lights
✓			Spot lights, Hose loading lights
✓	0	5-25	Scene lights REPAIR = Dr. Vets (116) (11/11/11) 004
✓			Power Ladder Rack - Operation & Warning lights
✓			Power Suction Rack - Operation & Warning lights
✓			Wheel chocks o n c
✓			Fuel cap

## 3. UNDER VEHICLE INSPECTION

Inspect	Needs Repair	Repair Date	Description
✓			Frame & Cross members
✓			Engine & Transmission mounts
✓			Front suspension, Springs, Hangers, U-Bolts & shocks
✓			Front axle, Stops
✓			Front driving axle Lubricant - Level - Condition
✓			Steering box mounting
✓			Steering shaft / Miter box
✓			Steering arm, drag link, Tie rod
✓			Transfer case (4 x 4) Lubricant - Mounting
✓			Drive line, U-Joints, Yokes, Flanges, Hangers
✓			Rear suspension, Spring hangers, U-Bolts, Shocks
✓			Torque arms

CERTIFICATION: This vehicle has passed all the inspection items for the annual vehicle inspection report in accordance with 49 CFR 396



### 3. UNDER VEHICLE INSPECTION - continued

Inspect	Needs Repair	Repair Date	Description
✓	0	J2	Rear axle(s) Lubricant - Level - Condition <i>Added 3qt</i>
✓			Leaks: Fuel, Coolant, Lubricants, Transmission
✓			Front brake linings: L <u>80</u> % R <u>80</u> %
✓			Rear brake linings: L <u>100</u> % R <u>100</u> % Slack Adjuster Stroke @ 90 PSI: Inches Front: R <u>    </u> Inches Rear: R <u>1 1/2</u> R <u>    </u> L <u>    </u> % R <u>    </u> % <i>Disc</i> L <u>    </u> Inches L <u>1 1/2</u> L <u>    </u>
✓			Brake adjustment
✓			Brake hose condition
✓			Drums / Rotors
✓			Slack Adjusters
✓			Air Dryer
✓			Cab mounting
✓			Body mounting
✓			Automatic tire chains
✓			Trailer hitch mounting
✓			Exhaust system, Mounting, Leaks
✓			Brake system leaks, Brakes applied, Static
✓			System check valves
✓			Emergency valve operation
✓			low air warning, Lights / Alarm <i>30</i>
✓			Park brake valve operation <i>30</i>
✓			Auxiliary air compressor / Shore line connection
✓			Hydraulic brakes, Fluids, Lines, Cylinders

### 4. CAB LIFT SYSTEM

Inspect	Needs Repair	Repair Date	Description
✓	0	CD	Hoses, Valves & Cylinders <i>Rebuild Cylinders</i>
✓			Lock bar
✓			Cab locks & Pivot pins

### 5. ENGINE COMPARTMENT

Inspect	Needs Repair	Repair Date	Description
✓	0		Hose condition
✓			Belt condition and adjustment
✓			A/C compressor mounting
✓			Alternator Mounting & Connections
✓	0	J2	Radiator, Shroud, Fan mounting, Radiator cap & Expansion tank <i>OVER FLOW HOSE</i>
✓			Coolant condition - Freeze point, DCA <i>-50/1400</i>
✓	0	CD	Air induction system
✓			Air compressor mounting
✓			Starter mounting & Connections
✓	0	J2	Power steering pump & Fluid <i>changed fluid/FILTER</i>
			All Fluid Levels :
			Engine Oil <u>✓</u> Transmission Fluid <u>✓</u> DEF <u>✓</u> Coolant <u>✓</u>
			Power Steering Fluid <u>✓</u> Diesel Fuel <u>✓</u>

CERTIFICATION: This vehicle has passed all the inspection items for the annual vehicle inspection report in accordance with 49 CFR 396



## 6. BATTERY

Inspect	Needs Repair	Repair Date	Description
✓			Electrolyte level
✓			Hold-Downs, Box mounting & chaffing cables
✓	0		Load Test #1 <u>New</u> #2 <u>New</u> #3 <u>New</u> #4 <u>New</u> #5 <u>—</u> #6 <u>—</u>
✓			Clean & Seal terminals
✓			Auto eject plug - Conditioner output voltage @ Battery <u>13.14</u> Volts DC

## 7. TIRES & WHEELS

Inspect	Needs Repair	Repair Date	Description
✓			Wear, Cuts, Tears, Mismatched
✓			Rim conditions
✓			Front axle - Hub lubricant condition & Level
✓			Thread depth & DOT date
✓			<div style="display: flex; justify-content: space-between;"> <div> <div>17 / 32"</div> <div>12 / 32"</div> </div> <div> <div>Front DOT Date</div> <div>29/20</div> <div>16/18</div> </div> <div> <div>13 / 32"</div> <div>13 / 32"</div> <div>15 / 32"</div> <div>15 / 32"</div> </div> <div> <div>/</div> <div>/</div> <div>/</div> <div>/</div> </div> <div> <div>Rear DOT Date</div> <div>4321</div> </div> </div>
✓			Tire Air Pressure - INFLATE TO SPECIFIED PRESSURE
✓			Torque wheel attaching nuts
✓			Jack-up front axle, Check bearing & King pins
✓			Tire Pressure Monitors

## 8. FLUID & FILTER SERVICE

Inspect	Needs Repair	Repair Date	Description
JZ			Draw sample of Engine Oil for analysis
JZ			Change engine oil & Filter(s)
✓			Change fuel filter(s)
✓			Change coolant filter
✓			Change air compressor filter
JZ			Change power steering fluid & filter

## 9. AUTO TRANSMISSION SERVICE

Inspect	Needs Repair	Repair Date	Description
JZ			Draw sample of fluid for analysis
JZ			Change fluid & filter(s)

**CERTIFICATION:** This vehicle has passed all the inspection items for the annual vehicle inspection report in accordance with 49 CFR 396



## 10. PRESSURE WASH & LUBRICATION OF CHASSIS

Inspect	Needs Repair	Repair Date	Description
✓			Pressure wash chassis
✓			Grease all suspension, driveline & steering points
✓			Clean and Lubricate cab & compartment doors
✓			Grease automatic tire chains
✓			Grease cab pivot points
✓			Apply Corrosion Protection

## 11. ROAD TEST

Inspect	Needs Repair	Repair Date	Description
✓			Operate all controls
✓			Engine brake operation
✓			Check park brake hold
✓			Operate automatic chains
✓			Check fluid levels

Notes:





# The Gowans-Knight Company

Fire Apparatus & Equipment

49 Knight Street, Watertown CT 06795

Tel.: 860-274-8801 Fax 860-274-7937

email: gowansknight@snet.net website: www.gowansknight.com

REPAIR ORDER

24464

## PUMP INSPECTION AND SERVICE

Pump Service Checklist

Inspected By:

Customer Name & Address:

Ridgeline Fire Dept.

Date:

5-15-23

Contact Person:

Pump Manufacture & Model:

Unit # E1

Vin # 4EN6AA85C1007400

Darley PSM 1500

Model Year:

2012

Pump Serial #

291822

Model:

Mileage: 81331 Hours: 7081 Pump Hours:

NOTE: Check each item as completed.  
Note items of concern.

NOTES: (To include overall condition of pump)

### INSPECTION CODE

✓ = OK

O = DEFECTIVE

X = REPAIR MADE

Instructions: Mark the "Inspect" column for all applicable entries to verify inspection: ✓

Inspect	Needs Repair	Description
✓		Pump shift operation
✓		Cab indicator lights
✓		Transmission lock-up
✓		Pump panel pump engaged light
✓		Tank to pump valve(s)
✓		Tank filler valve
✓		Pump panel throttle operation
✓		Operate transfer valve, indicator light operation
✓		Operate discharge pressure control ___ 100 PSI ___ 200 PSI ___ Indicator light
✓		Operate Governor In RPM and Pressure Mode
✓		Check pump overheat warning
✓		Check gauge line heater
✓		Operate pump cooler
✓		Operate auxiliary engine cooler valve
✓		Check pump panel lights, right, left & top
✓		Check water tank level gauge
✓		Check foam A tank level gauge
✓		Check foam B tank level gauge



Inspect	Needs Repair	Description
		Check Pump Panel Engine Gauges
✓		Oil pressure
✓		Coolant temperature
✓		Tachometer
✓		Volt meter
✓		Transmission temperature
		Other _____
		Valve - Gauge Check
✓		Master intake
✓		Master discharge
✓		Discharge # 1
✓		- Drain
✓		- Gauge
✓		Discharge # 2
✓		- Drain
✓		- Gauge
✓		Discharge # 3
✓		- Drain
✓		- Gauge
X		Discharge # 4
		- Drain
		- Gauge
X		Right rear discharge
		- Drain
		- Gauge
X		Left rear discharge
		- Drain
		- Gauge
✓		LDH discharge
✓		- Drain
✓		- Gauge
X		Bumper discharge
		- Drain
		- Gauge
✓		Booster line
✓		- Drain
✓		- Gauge
✓		Deck gun
✓		- Drain
✓		- Gauge
DNT		Crosslay # 1
		- Drain
		- Gauge
DNT		Crosslay # 2
		- Drain
		- Gauge
		Other _____
		- Drain
		- Gauge
		Other _____
		- Drain
		- Gauge
MS		Check packing leakage



Inspect	Needs Repair	Description	
		Operate intake relief valves(s)	
—		Main	Setting _____ PSI
—		Front Suction	Setting _____ PSI
—		Rear Suction	Setting _____ PSI
✓		Right Inlet	Setting <u>140</u> PSI
✓		Left Inlet	Setting <u>140</u> PSI
		Operate External intake relief valves(s)	
—		Right Inlet	Setting _____ PSI
—		Left Inlet	Setting _____ PSI
done	0	Check left auxiliary suction(s) <u>LEAKS at COUPLING</u>	
—		- Drain	
—		Check right auxiliary suction(s)	
—		- Drain	
✓		Operate all suction valves	
—		Test Tank - to - Pump check valve	
—		Check direct tank filler valve(s)	
done	0	Operate tank dump valves and chutes	
—		Master pump drain valve(s) <u>LEAKS 12.5 in</u>	
—		Pump runs dry	
—		Inspect swing check valves on two-stage pumps	
—		Perform dry prime test <u>31</u> " HG <u>4</u> Loss / 5 minutes	
—		Inspection of suction screens and anodes	
—		Check packing / Mechanical seal cooling lines / passages	
—		Inspect pump mounting and bolts	
—		Check auto lube, lubrication and condition	
—		Check drive line flange bolts and universals	
JZ		Change transfer case lubricant	Type <u>80w90</u> Quantity <u>2QT</u>
—		Check transfer case lubricant strainer	
—		Clean pressure relief strainer(s), Intake and discharge	
—		Lubricate transfer case shift unit	
—		Check primer lubricant level and anti-siphon hole	
—		Pressure wash pump and enclosure	
✓		Clean and lube all caps, plugs - inspect all gaskets	
		Lubricate the following	
✓		Driveline	
✓		Deck gun	
—		Valve(s)	
—		Outboard bearings	
✓		Install pump service sticker	
		Foam System Service	
X		Clean all strainers	
X		Change foam pump oil	
X		Calibrate Foam Pump	
X		Operate Foam System	
X		Flush Foam System	





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website: www.gowansknight.com

REPAIR ORDER

24464

## BRAKE INSPECTION

Chassis Service Checklist

Inspected By:

Inspection Sticker #

Customer Name & Address:

Ridgely Fire Dept.

Date:

5-15-23

Contact Person:

VIN #

4EN6AAA8521007400

Unit #

Engine 1

Vehicle Type:

Pumper

Model Year:

2012

Special Conditions (Apparatus Inspection, other):

Model:

Mileage: 81,331

Hours:

NOTE: Check each item as completed.  
Note items of concern.

NOTES:

### INSPECTION CODE

✓ = OK

O = DEFECTIVE

X = REPAIR MADE

Instructions: Mark the "Inspect" column for all applicable entries to verify inspection: ✓

### 1. CAB - GAUGES AND CONTROLS

Inspect	Needs Repair	Repair Date	Description
✓			Air Pressure Drop (Brakes NOT Applied) PSI= 0
✓			Air Pressure Drop (Brakes Applied) PSI= 0
✓			Parking Brake Hold RPM IN DRIVE= 20%
✓			Parking Brake Auto Operation PSI= 20
✓			Air Dryer Operation
✓			Low Air Alarms/Lights PSI= 10
✓			Emergency Valve Operation

### 2. VISUAL UNDER VEHICLE BRAKE INSPECTION

Inspect	Needs Repair	Repair Date	Description	LEFT	RIGHT
✓			Front Brake Chamber Condition		✓
✓			Front Wheel Seal Leakage		✓
✓			Front Brake Hose Condition		✓
✓			Front Brake Hardware Condition		✓
✓			Rear Brake Chamber Condition		✓
✓			Rear Wheel Seal Leakage		✓
✓	✓		Rear Brake Hose Condition		
✓			Rear Brake Hardware Condition		



### 3. LUBRICATION

Inspect	Needs Repair	Repair Date	Description
✓			Slack Adjusters
✓			S Cams

### 4. Front Brake Measurements (WHEELS PULLED)

Inspect	Needs Repair	Repair Date	Description	LEFT	RIGHT
✓			Drum Max Diameter OR Rotor Thickness <i>Min 37mm</i>	✓	✓
✓			Drum Actual Diameter OR Rotor Thickness	44mm	44mm
✓			Lining Condition (cracked, heat)	✓	✓
✓			Inner/Upper Brake Lining Thickness (in 32nds of an inch)	22/32	22/32
✓			Outer/Lower Brake Lining Thickness (in 32nds of an inch)	22/32	22/32
✓			Measured Stroke @90 PSI		
✓			Measured Free Play		
✓			Brake Temperature After Road Test	235	240
✓			Measured Cam Bushing Play		
✓			Picture Taken	✓	✓

### 5. REAR BRAKE MEASUREMENTS (WHEELS PULLED)

Inspect	Needs Repair	Repair Date	Description	LEFT	RIGHT
			Drum Max Diameter OR Rotor Thickness	n/a	n/a
			Drum Actual Diameter OR Rotor Thickness	n/a	n/a
			Lining Condition (cracked, heat)	n/a	n/a
			Inner/Upper Brake Lining Thickness (in 32nds of an inch)	n/a	n/a
			Outer/Lower Brake Lining Thickness (in 32nds of an inch)	n/a	n/a
			Measured Stroke @90 PSI	1 3/4	1 3/4
			Measured Free Play	1/2	1/2
			Brake Temperature After Road Test	235	237
✓			Measured Cam Bushing Play	✓	✓
✓			Picture Taken	✓	✓

### 6. REAR BRAKE MEASUREMENTS (WHEELS PULLED)

Inspect	Needs Repair	Repair Date	Description	LEFT	RIGHT
			Drum Max Diameter OR Rotor Thickness		
			Drum Actual Diameter OR Rotor Thickness		
			Lining Condition (cracked, heat)		
			Brake Lining Thickness (in 32nds of an inch)		
			Brake Lining Thickness (in 32nds of an inch)		
			Measured Stroke @90 PSI		
			Measured Free Play		
			Brake Temperature After Road Test		
			Measured Cam Bushing Play		
			Picture Taken		

AHJ NOTIFIED OF DEFICIENCIES

SIGNED





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email: gowansknight@snet.net website: www.gowansknight.com

REPAIR ORDER

## GENERATOR INSPECTION & SERVICE

Generator Service Checklist

Inspected By:

Service Sticker Applied

Justin

Customer Name & Address:

Ridgefield Fire Department

Date:

Contact Person:

Gen. Mfg.: Smart Power

Model: HR-110

Title:

Serial #:

12H20-01

Apparatus #

Engine 1

Hours:

485.2

NOTE: Check each item as completed.  
Note items of concern.

NOTES: (To include overall condition of generator, panel, wiring & light heads)

### INSPECTION CODE

✓ = OK

O = DEFECTIVE

X = REPAIR MADE

### TEST RUN

		Voltage	Cycles	Amps		Load Watts
				L1	L2	
No Load	122 60.8	241	61.0	0	0	
With Load	118 59.9	239	60.2	1	9	

Instructions: Mark the "Inspect" column for all applicable entries to verify inspection: ✓

Inspect	Needs Repair	Repair Date	Light Tower, Outlets and Cord Reels	
✓			Operate Generator while Pumping and Not Pumping	
✓			Test all hard wired lighting	
✓			Operate light tower, all functions	
✓			Light Tower park brake interlock	
✓			Clean & Lubricate light tower	
✓			Warning Labels	
✓			Check all outlets for correct polarity	
✓			Check control panel gauges and meters	
✓			Breakers labeled	
✓			Breakers control the proper device	
✓	0	JZ	Cord reel(s) power & power indicator bulb	Replaced bulb
✓			Cord reel(s) rewind	
✓			Check telescoping light functions	
✓			Reset Service Reminder	
✓			Check shore power outlet	



Inspect	Needs Repair	Repair Date	Hydraulic/PTO
done ✓	0	BY	Check for leaks <i>tightened filter</i>
			Check/Change hydraulic fluid and filter
			Type _____ Qty. _____ Filter P/N _____
✓			Check PTO for Leaks
✓			PTO engaged Light
✓			High Idle When PTO engaged (Rescue)
✓			Check PTO Shaft Flanges, Yokes, slip Joint and Universal Joints
✓			Check Gearbox for leaks
✓			Change Gearbox Fluid TYPE _____ Qty. _____
Inspect	Needs Repair	Repair Date	Gas/Diesel
			Check engine belts
			Inspect / Clean / Change air filter
			Filter P/N _____
			Check coolant level freeze point
			Change engine oil
			Type _____ Qty. _____
			Change engine oil filter
			Filter P/N _____
			Change fuel filter(s)
			Filter P/N _____
			Check fluid levels
			Check for leaks



# ANNUAL VEHICLE INSPECTION REPORT

VEHICLE HISTORY RECORD	
REPORT NUMBER	FLEET UNIT NUMBER
63003603	Engine #1
DATE June 29, 2023	

MOTOR CARRIER OPERATOR <b>Ridgefield Fire Department</b>		INSPECTOR'S NAME (PRINT OR TYPE) <b>Collin Dziedzic</b>	
ADDRESS <b>6 Catoonah Street</b>		THIS INSPECTOR MEETS THE QUALIFICATION REQUIREMENTS IN SECTION 396.19. <input checked="" type="checkbox"/> YES	
CITY, STATE, ZIP CODE <b>Ridgefield, CT 06877</b>		VEHICLE IDENTIFICATION (✓ AND COMPLETE) <input type="checkbox"/> LIC. PLATE NO. <input checked="" type="checkbox"/> VIN <input type="checkbox"/> OTHER	
VEHICLE TYPE <input type="checkbox"/> TRACTOR <input type="checkbox"/> TRAILER <input type="checkbox"/> TRUCK <input type="checkbox"/> BUS <input checked="" type="checkbox"/> (OTHER) <b>Fire Apparatus</b>		VEHICLE IDENTIFICATION (✓ AND COMPLETE) <b>4EN6AAA85C1007400</b>	
		INSPECTION AGENCY/LOCATION (OPTIONAL)	

VEHICLE COMPONENTS INSPECTED			
OK	NEEDS REPAIR	REPAIRED DATE	ITEM
<b>1. BRAKE SYSTEM</b>			
✓			a. Service Brakes
✓			b. Parking Brake System
✓			c. Brake Drums or Rotors
✓			d. Brake Hose
✓			e. Brake Tubing
✓			f. Low Pressure Warning Device
N/A			g. Tractor Protection Valve
✓			h. Air Compressor
N/A			i. Electric Brakes
N/A			j. Hydraulic Brakes
N/A			k. Vacuum Systems
✓			l. Antilock Brake System
✓			m. Automatic Brake Adjusters
<b>2. COUPLING DEVICES</b>			
N/A			a. Fifth Wheels
N/A			b. Pintle Hooks
N/A			c. Drawbar/Towbar Eye
N/A			d. Drawbar/Towbar Tongue
N/A			e. Safety Devices
N/A			f. Saddle-Mounts
<b>3. EXHAUST SYSTEM</b>			
✓			a. No leaks forward of/ directly below the driver/ sleeper compartment.
N/A			b. Bus: No leaking/ discharging in violation of standard.
✓			c. Unlikely to burn, char, or damage the electrical wiring, fuel supply, or any combustible part of vehicle.
<b>4. FUEL SYSTEM</b>			
✓			a. No visible leak.
✓			b. Fuel Tank Filler Cap
✓			c. Fuel tank securely attached.
<b>5. LIGHTING DEVICES</b>			
✓			All required lights/reflectors operable.
<b>6. SAFE LOADING</b>			
✓			a. Vehicle parts, load, dunnage, spare tire, etc., secured.
✓			b. Front End Structure
N/A			c. Intermodal Container Securement Devices
<b>7. STEERING MECHANISM</b>			
✓			a. Steering Wheel Free Play
✓			b. Steering Column
✓			c. Front Axle Beam/All Other Steering Components
✓			d. Steering Gear Box
✓			e. Pitman Arm
✓			f. Power Steering
✓			g. Ball and Socket Joints
✓			h. Tie Rods and Drag Links
✓			i. Nuts
✓			j. Steering System
<b>8. SUSPENSION</b>			
✓			a. Axle Positioning Parts
✓			b. Spring Assembly
✓			c. Torque, Radius or Tracking Components
<b>9. FRAME</b>			
✓			a. Frame Members
✓			b. Tire and Wheel Clearance
N/A			c. Adjustable Axle Assemblies (Sliding Subframes)
<b>10. TIRES</b>			
✓			a. Steer-Axle Tires
N/A			b. All Other Tires
N/A			c. Speed-Restricted Tires
<b>11. WHEELS AND RIMS</b>			
✓			a. Lock or Side Ring
✓			b. Wheels and Rims
✓			c. Fasteners
✓			d. Welds
<b>12. WINDSHIELD GLAZING</b>			
✓			No cracks, discoloration, obstacles, etc. (see 393.60 for exceptions).
<b>13. WINDSHIELD WIPERS</b>			
✓			No missing, damaged, or inoperable wipers.
<b>14. MOTORCOACH SEATS</b>			
✓			Seats securely fastened to the vehicle structure.
<b>15. REAR IMPACT GUARD</b>			
N/A			In place, securely attached, proper size, proper placement (see 393.86).
<b>16. OTHER</b>			
List any other condition(s) which may prevent safe operation of this vehicle.			
<b>OK EXTRAS</b>			
Warning Lights/Siren			
Seat Belt Condition			
Inversion Valve			
Blow Down Air Tanks			
Pull Dust Shields			
Torque All Wheels			
Jack Up Front Axle			

INSTRUCTIONS: MARK COLUMN ENTRIES TO VERIFY INSPECTION: ✓ OK, X NEEDS REPAIR, NA IF ITEMS DO NOT APPLY, REPAIRED DATE

CERTIFICATION: THIS VEHICLE HAS PASSED ALL THE INSPECTION ITEMS FOR THE ANNUAL VEHICLE INSPECTION IN ACCORDANCE WITH 49 CFR PART 396.