

Vehicle # \_\_\_\_\_ Location \_\_\_\_\_ Date Aug 23, 2024  
 Model # HRX - 35 Serial # 2060329814 Odometer 46007  
 Hours Meter 6095 Inspector \_\_\_\_\_

**Intervals**

- ☐ Prior to placing unit in service  
☒ 1,000 PTO hours/1 year

- ☐ 85 PTO hours/1 month  
☐ 2,000 PTO hours/2 years

- ☐ 500 PTO hours/6 months  
☐ Required maintenance

**Symbols**

- ✓ = Okay or completed  
 U = Unsafe to operate

- C = Corrected by inspector  
 N/A = Not applicable

- R = Repair or replacement required

<b>Prior to Placing Unit in Service</b>
---

<input checked="" type="checkbox"/> Perform the Daily Preoperational Inspection (refer to the Operator's Manual)	<input checked="" type="checkbox"/> <b>Rotation Bearing</b> Turntable tilt measurement <u>. 094</u>
<input checked="" type="checkbox"/> <b>Hydraulic Reservoir and System</b>	
<input checked="" type="checkbox"/> Check oil and collect oil sample for analysis <sup>1</sup>	

<b>85 PTO Hours/1 Month</b>
-----------------------------

<input checked="" type="checkbox"/> Perform the Daily Preoperational Inspection	<input checked="" type="checkbox"/> <b>Fiberglass Boom(s)</b>
<input checked="" type="checkbox"/> <b>General Condition</b>	Upper boom (condition , clean)
<input checked="" type="checkbox"/> Clean debris from around upper boom cylinder/linkage	<input checked="" type="checkbox"/> Lower boom (condition, clean)
<input checked="" type="checkbox"/> Clean debris from around platform leveling sheaves	<input checked="" type="checkbox"/> <b>Lubrication</b>
<input checked="" type="checkbox"/> <b>Hydraulic Reservoir</b>	Rotation bearing ball race
<input checked="" type="checkbox"/> Oil level	Lower boom cylinder pivot bearings
<input checked="" type="checkbox"/> <b>Hydraulic System</b>	<input checked="" type="checkbox"/> Rotation pinion and bearing gear teeth
<input checked="" type="checkbox"/> Pedestal (no leaks)	<input checked="" type="checkbox"/> Elbow bearing ball race
<input checked="" type="checkbox"/> Turntable (no Leaks)	<input checked="" type="checkbox"/> Platform tilt pin
<input checked="" type="checkbox"/> Boom tip (no leaks)	<input checked="" type="checkbox"/> Outrigger inner leg outer surfaces

<b>500 PTO Hours/6 Months</b>
-------------------------------

<input checked="" type="checkbox"/> Perform the 85 hour/1 month inspection	<input checked="" type="checkbox"/> Operation (holding, no bleed-off)
<input checked="" type="checkbox"/> <b>PTO</b>	<input checked="" type="checkbox"/> <b>Chassis Underside</b>
<input checked="" type="checkbox"/> Operation, noise level, no leaks	<input checked="" type="checkbox"/> Hoses (routing, condition)
<input checked="" type="checkbox"/> Mounting cap screws secure	<input checked="" type="checkbox"/> Exhaust shields
<input checked="" type="checkbox"/> <b>Supplemental Brake Lock</b>	<input checked="" type="checkbox"/> <b>Pump</b>

<input checked="" type="checkbox"/> Mounting cap screws secure	<input checked="" type="checkbox"/> <b>Hydraulic System Pressure</b>
<input checked="" type="checkbox"/> 4-bolt flange cap screws secure	<input checked="" type="checkbox"/> Pump compensator (3,000 psi)
<input checked="" type="checkbox"/> Drive line	<input checked="" type="checkbox"/> Standby pressure (350 psi)
<input checked="" type="checkbox"/> Noise level	<input checked="" type="checkbox"/> Pilot system (350 psi)
<input checked="" type="checkbox"/> No leaks	<input checked="" type="checkbox"/> Tool system pressure (2,000 psi)
<input checked="" type="checkbox"/> <b>Unit Mounting</b>	<input checked="" type="checkbox"/> <b>Lower Controls</b>
<input checked="" type="checkbox"/> Subbase mounting (fasteners secure, welds intact, no cracks)	<input checked="" type="checkbox"/> Placards (condition, readable)
<input checked="" type="checkbox"/> Subbase structure (welds intact, no cracks)	<input checked="" type="checkbox"/> Engine start/stop switch (operation)
<input checked="" type="checkbox"/> Pedestal mounting (fasteners secure, welds intact, no cracks)	<input checked="" type="checkbox"/> Secondary stowage DC pump switch (operation)
<input checked="" type="checkbox"/> Boom rest (welds intact, no deformation or cracks)	<input checked="" type="checkbox"/> Lower/emergency stop/upper control (operation)
<input checked="" type="checkbox"/> Utility body mounting (cap screws secure, welds intact, no cracks)	<input checked="" type="checkbox"/> Lower control valve (operation, no leaks)
<input checked="" type="checkbox"/> <b>Hydraulic Reservoir</b>	<input checked="" type="checkbox"/> Lower winch valve (operation, no leaks)
<input checked="" type="checkbox"/> Mounting (cap screws secure, welds intact, no cracks)	<input checked="" type="checkbox"/> Lower platform rotate valve (operation, no leaks)
<input checked="" type="checkbox"/> No leaks	<input checked="" type="checkbox"/> <b>Pedestal</b>
<input checked="" type="checkbox"/> Shutoff valves fully open	<input checked="" type="checkbox"/> Structure (welds intact no reformation or cracks)
<input checked="" type="checkbox"/> Drain water from bottom	<input checked="" type="checkbox"/> Hoses and tubes (routing, condition)
<input checked="" type="checkbox"/> <b>Filters</b>	<input checked="" type="checkbox"/> No leaks
<input checked="" type="checkbox"/> Change return line filter	<input checked="" type="checkbox"/> Rotary joint mounting cap screws secure
<input checked="" type="checkbox"/> Clean or change purge line filter	<input checked="" type="checkbox"/> Slip ring mounting cap screws secure
<input checked="" type="checkbox"/> Clean or change outrigger signal valve cartridge	<input checked="" type="checkbox"/> Placards (condition, readable)
<input checked="" type="checkbox"/> <b>Outriggers</b>	<input checked="" type="checkbox"/> <b>Turntable</b>
<input checked="" type="checkbox"/> Mounting (welds intact, no deformation or cracks)	<input checked="" type="checkbox"/> Structure (welds intact no reformation or cracks)
<input checked="" type="checkbox"/> Operation (holding without drift, no leaks)	<input checked="" type="checkbox"/> Boom pin and retainers secure
<input checked="" type="checkbox"/> Structures (welds intact, no deformation or cracks)	<input checked="" type="checkbox"/> Lower boom cylinder pivot pin and retainers secure
<input checked="" type="checkbox"/> Pins and retainers secure, retaining cap screws secure	<input checked="" type="checkbox"/> Leveling chain anchor pin (retainer condition, in place)
<input checked="" type="checkbox"/> Motion alarm	<input checked="" type="checkbox"/> Hoses and tubes (routing, condition)
<input checked="" type="checkbox"/> Hoses and tubes (routing, condition)	<input checked="" type="checkbox"/> No leaks
<input checked="" type="checkbox"/> Placards (condition, readable)	<input checked="" type="checkbox"/> Placards (condition, readable)
<input checked="" type="checkbox"/> Control valves (operation, leaks)	<input checked="" type="checkbox"/> Rotary joint drive pin (condition, retainer in place)
<input checked="" type="checkbox"/> <b>Lower Tools Circuit</b>	<input checked="" type="checkbox"/> Boom stow valve (operation, condition, no leaks)
<input checked="" type="checkbox"/> Operation, no leaks	<input checked="" type="checkbox"/> <b>Rotation Bearing and Gearbox</b>
<input checked="" type="checkbox"/> Hoses (routing, condition)	<input checked="" type="checkbox"/> Gearbox mounting cap screw visual inspection
<input checked="" type="checkbox"/> Quick disconnect couplers (condition, operation, dust caps)	<input checked="" type="checkbox"/> Motor mounting cap screws secure

<input checked="" type="checkbox"/> Eccentric ring lock (in place, secure)	<input checked="" type="checkbox"/> Leakage monitor system (condition, secure)
<input checked="" type="checkbox"/> No leaks	<input checked="" type="checkbox"/> <b>Upper Boom</b>
<input checked="" type="checkbox"/> Rotation bearing and pinion gear teeth condition	<input checked="" type="checkbox"/> Structure (welds intact no reformation or cracks)
<input checked="" type="checkbox"/> Pinion to rotation bearing gear backlash	<input checked="" type="checkbox"/> Fiberglass fasteners secure
<input checked="" type="checkbox"/> Gearbox internal lost motion	<input checked="" type="checkbox"/> Fiberglass (condition, clean)
<input checked="" type="checkbox"/> Operation (smoothness, noise level)	<input checked="" type="checkbox"/> Jam nuts on leveling tumbuckles (in place, secure)
<input checked="" type="checkbox"/> Rotation bearing cap screw visual inspection	<input checked="" type="checkbox"/> Leveling rod/cables
<input checked="" type="checkbox"/> Rotation bearing inspection and measurement (after 0.050" increased wear from initial measurement) <sup>2</sup>	<input checked="" type="checkbox"/> Covers in place
<input checked="" type="checkbox"/> <b>Lower Boom Cylinder</b>	<input checked="" type="checkbox"/> Upper boom restraint (condition, operation)
<input checked="" type="checkbox"/> Pivot bearings secure within cylinder eyes	<input checked="" type="checkbox"/> Upper boom stow pad (condition, in place)
<input checked="" type="checkbox"/> Pin retainers secure	<input checked="" type="checkbox"/> Boom tip weldment (welds intact, no deformation or cracks)
<input checked="" type="checkbox"/> Operation, no leaks	<input checked="" type="checkbox"/> Boom tip fasteners secure
<input checked="" type="checkbox"/> Holding valves (operation, no leaks)	<input checked="" type="checkbox"/> Remove any debris from inside upper boom
<input checked="" type="checkbox"/> Chromed rod condition	<input checked="" type="checkbox"/> Lanyard attachment
<input checked="" type="checkbox"/> <b>Lower Boom</b>	<input checked="" type="checkbox"/> Hose routing (condition, no leaks)
<input checked="" type="checkbox"/> Structure (welds intact, no deformation or cracks)	<input checked="" type="checkbox"/> <b>Upper Boom Cylinders</b>
<input checked="" type="checkbox"/> Lift cylinder pivot pin and retainers secure	<input checked="" type="checkbox"/> Cylinder attachment pins (condition, cap screws secure and lockwired, retaining rings in place)
<input checked="" type="checkbox"/> Insulator fasteners secure	<input checked="" type="checkbox"/> Pivot bearings secure within cylinder eyes
<input checked="" type="checkbox"/> Insulator (condition, clean)	<input checked="" type="checkbox"/> Operation, no leaks
<input checked="" type="checkbox"/> Leveling rods/cables	<input checked="" type="checkbox"/> Holding valves (operation, no leaks)
<input checked="" type="checkbox"/> Jam nuts on leveling cable tumbuckles (in place, secure, lockwires in place)	<input checked="" type="checkbox"/> Chromed rod condition
<input checked="" type="checkbox"/> Cable keepers (placement, clearance)	<input checked="" type="checkbox"/> <b>Platform</b>
<input checked="" type="checkbox"/> Remove any debris from inside lower boom	<input checked="" type="checkbox"/> Mounting secure (bracket, pins and fasteners)
<input checked="" type="checkbox"/> Hose routing (condition, no leaks)	<input checked="" type="checkbox"/> Platform mounting cap screws secure
<input checked="" type="checkbox"/> <b>Elbow</b>	<input checked="" type="checkbox"/> Tilt (operation, lock pins in place)
<input checked="" type="checkbox"/> Elbow bearing cap screw initial torque inspection	<input checked="" type="checkbox"/> Platform (condition, clean)
<input checked="" type="checkbox"/> Elbow bearing cap screw visual torque inspection	<input checked="" type="checkbox"/> Platform angle (leveling system tension)
<input checked="" type="checkbox"/> Leveling shaft retainers	<input checked="" type="checkbox"/> Liner (condition, clean, fasteners secure)
<input checked="" type="checkbox"/> Upper boom drive mechanism (condition, cap screws secure and lockwired, rollpin in place)	<input checked="" type="checkbox"/> Placards (condition, readable)
<input checked="" type="checkbox"/> Cover (in place, condition)	<input checked="" type="checkbox"/> Hoses (routing, not pinches or pulled, no leaks)
<input checked="" type="checkbox"/> Hoses (routing, condition)	<input checked="" type="checkbox"/> Lanyard attachment secure

<input checked="" type="checkbox"/> Covers in place	<input checked="" type="checkbox"/> Placards (condition, readable)
<input checked="" type="checkbox"/> <b>Upper Controls</b>	<input checked="" type="checkbox"/> Jib operation (tilt and extension)
<input checked="" type="checkbox"/> Operation (metering, proper direction, no leaks)	<input checked="" type="checkbox"/> Job cylinders (condition, no leaks, chromed rod)
<input checked="" type="checkbox"/> Emergency stop operation	<input checked="" type="checkbox"/> Winch mounting (cap screws secure, welds intact, no deformation or cracks)
<input checked="" type="checkbox"/> Mechanical linkage (operation, adjustment)	<input checked="" type="checkbox"/> Winch motor mounting cap screws
<input checked="" type="checkbox"/> Rubber boot (condition, in place)	<input checked="" type="checkbox"/> Winch brake operation
<input checked="" type="checkbox"/> Single handle control isolating links (condition, clean)	<input checked="" type="checkbox"/> Gearbox outboard bearing secure
<input checked="" type="checkbox"/> Interlock linkage (condition, adjustment)	<input checked="" type="checkbox"/> Winch rope (condition, anchor point secure)
<input checked="" type="checkbox"/> Engine start/stop control	<input checked="" type="checkbox"/> Control valve (condition, operation, no leaks)
<input checked="" type="checkbox"/> Placards (condition, readable)	<input checked="" type="checkbox"/> Winch cover (condition, in place)
<input checked="" type="checkbox"/> <b>Tools at Platform</b>	<input checked="" type="checkbox"/> Hoses (routing, condition, no leaks)
<input checked="" type="checkbox"/> Quick disconnects (condition, operation no leaks)	<input checked="" type="checkbox"/> <b>Lubrication</b>
<input checked="" type="checkbox"/> Quick disconnect dust caps (condition, in place)	<input checked="" type="checkbox"/> Leveling cables
<input checked="" type="checkbox"/> Hoses (routing, condition, no leaks)	<input checked="" type="checkbox"/> Interlock linkage
<input checked="" type="checkbox"/> <b>Materials Handling Package</b>	<input checked="" type="checkbox"/> Upper control mechanical linkage
<input checked="" type="checkbox"/> Fiberglass condition	<input checked="" type="checkbox"/> Outrigger valve handle linkage
<input checked="" type="checkbox"/> Bracket and mounting pins (condition)	<input checked="" type="checkbox"/> Top bearing on rotation gearbox
<input checked="" type="checkbox"/> Sheave (condition, turns freely)	<input checked="" type="checkbox"/> Rotation gearbox oil level
<input checked="" type="checkbox"/> Sheave pin and retainer secure	<input checked="" type="checkbox"/> Winch Gearbox oil level

### Required Maintenance (Regardless of Hours)

<input checked="" type="checkbox"/> <b>Annual Testing</b>	<input checked="" type="checkbox"/> Atmospheric vents (visually inspect all, verify operation on Category A units)
<input checked="" type="checkbox"/> Dielectric test unit	<input checked="" type="checkbox"/> <b>Leveling Cables</b>
<input checked="" type="checkbox"/> Dielectric test platform liner(s)	<input checked="" type="checkbox"/> Replace leveling system cables <sup>3</sup>
<input checked="" type="checkbox"/> Dielectric test insulated single handle control(s) if so equipped	<input checked="" type="checkbox"/>

### 1,000 PTO Hours/1 Year

<input checked="" type="checkbox"/> Perform the 500 hour/6 month inspection	<input checked="" type="checkbox"/> Reservoir cover gasket condition
<input checked="" type="checkbox"/> <b>Hydraulic Reservoir and system</b>	<input checked="" type="checkbox"/> Collect oil sample for analysis <sup>1</sup>
<input checked="" type="checkbox"/> Clean suction filter element	<input checked="" type="checkbox"/> <b>Lubrication</b>
<input checked="" type="checkbox"/> Change filler breather cap	<input checked="" type="checkbox"/> Pump input shaft splines
<input checked="" type="checkbox"/> Clean or change filler hole strainer	<input checked="" type="checkbox"/>

<input checked="" type="checkbox"/>	<b>Elbow</b>	<input checked="" type="checkbox"/>	<b>Rotation Bearing and Gearbox</b>
<input checked="" type="checkbox"/>	Elbow bearing cap screw annual torque inspection	<input checked="" type="checkbox"/>	Rotation gearbox mounting cap screw annual torque inspection
<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	Rotation bearing cap screw annual torque inspection

### 2,000 PTO Hours/2 Years

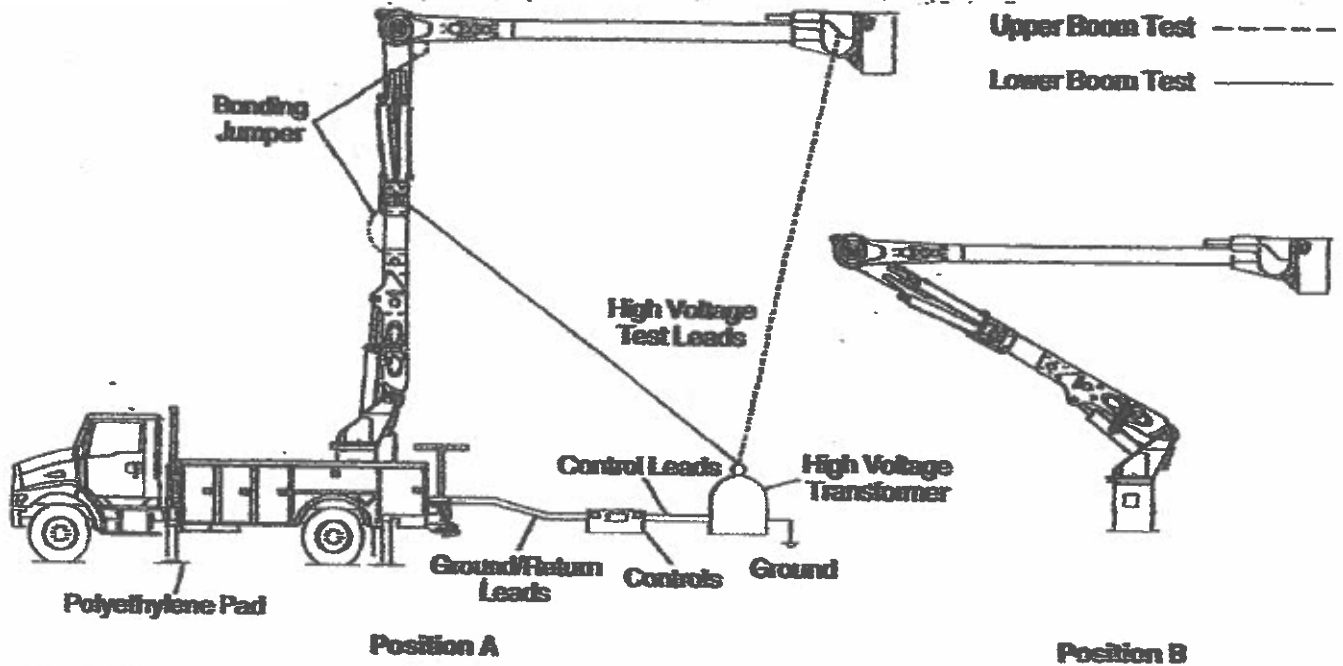
<input checked="" type="checkbox"/>	Perform the 1,000 hour/1 year inspection	<input checked="" type="checkbox"/>	<b>Lubrication</b>
<input checked="" type="checkbox"/>	<b>Hydraulic Reservoir and System</b>	<input checked="" type="checkbox"/>	Change winch gearbox oil
<input checked="" type="checkbox"/>	Flush hydraulic system	<input checked="" type="checkbox"/>	Change rotation gearbox oil
<input checked="" type="checkbox"/>	Clean inside of reservoir	<input checked="" type="checkbox"/>	<b>Rotation Bearing</b>
<input checked="" type="checkbox"/>	Clean suction filter element	<input checked="" type="checkbox"/>	Rotation bearing inspection and measurement (before 0.050" increased wear from initial measurement) <sup>2</sup>
<input checked="" type="checkbox"/>	Change hydraulic oil	<input checked="" type="checkbox"/>	

<sup>1</sup> Periodic laboratory analysis is the most accurate method of determining the condition of the hydraulic oil and when it should be changed. If laboratory analysis is used, take baseline sample. Compare future lab tests on subsequent samples to the original to establish a trend.

<sup>2</sup> Initially measure runtable HR as a baseline. Check rotation bearing wear every 2 years until it measures 0.050" increased wear from initial measurements. After reaching 0.050" increased wear, measure every 6 months. Refer to the Maintenance Manual for the proper procedure.

<sup>3</sup> Refer to the Maintenance Manual for inspection and replacement criteria.

# Dielectric Test Large Bucket Category C - 46 kV and Below



## Procedure

1. Read and understand the dielectric test information in the Maintenance Manual and ANSI requirements.
2. Insulate the vehicle from ground by placing polyethylene pads beneath each tire and outrigger leg.
3. The preferred test is with the unit in Position A. Position B may be used for an inside facility with limited test space. When using Position B place the bottom of the platform 15 feet from the ground. Electrical connections are the same for both positions.
4. Electrically bond all metal at the boom tip and the booms.
5. Attach the ground/return leads to the vehicle.
6. Attach the high voltage test lead (insulated from ground) to the lower boom for the lower boom test and to the upper boom for the upper boom test as shown.
7. Do not use cancel (null) circuit if the tester is so equipped.
8. To test the upper boom, gradually increase the voltage to 100 kV. Hold at 100 kV (60 hertz) for 3 minutes continuously. If flashover occurs or the leakage rate exceeds 1,000 microamps, the unit has failed the test. Record leakage reading.
9. To test the lower boom, gradually increase the voltage to 50 kV. Hold at 50 kV (60 hertz) for 3 minutes continuously. If flashover occurs or the leakage rate exceeds 3,000 microamps, the unit has failed the test. Record leakage reading.

## General Information

Model number HRx-55 Serial number 2060329814  
Test device number 643 Test position A

## Conclusion

Date Aug 23, 2024 Test performed by \_\_\_\_\_  
Upper boom leakage reading (microamp) .03 Lower boom leakage reading (microamp) .01  
Pass X Fail (reason) \_\_\_\_\_  
Comments \_\_\_\_\_

VEHICLE HISTORY RECORD	
REPORT NUMBER	FLEET UNIT NUMBER
DATE	Aug 23, 2024

MOTOR CARRIER OPERATOR	INSPECTOR'S NAME (PRINT OR TYPE)
AD	THIS INSPECTOR MEETS THE QUALIFICATION REQUIREMENTS IN SECTION 396.19.
CIT	<input checked="" type="checkbox"/> YES
VEHICLE TYPE <input type="checkbox"/> TRACTOR <input type="checkbox"/> TRAILER <input checked="" type="checkbox"/> TRUCK <input type="checkbox"/> BUS	VEHICLE IDENTIFICATION (✓ AND COMPLETE) <input type="checkbox"/> LIC. PLATE NO. <input checked="" type="checkbox"/> VIN <input type="checkbox"/> OTHER
<input type="checkbox"/> (OTHER)	INSPECTION AGENCY/LOCATION (OPTIONAL)

<b>OK</b>		<b>NEEDS REPAIR</b>	<b>REPAIRED DATE</b>	<b>ITEM</b>	<b>OK</b>	<b>NEEDS REPAIR</b>	<b>REPAIRED DATE</b>	<b>ITEM</b>
/				<b>1. BRAKE SYSTEM</b>	/			<b>6. SAFE LOADING</b>
/				a. Service Brakes	/			a. Part(s) of vehicle or condition of loading such that the spare tire or any part of the load or dunnage can fall onto the roadway.
/				b. Parking Brake System	/			b. Protection against shifting cargo.
/				c. Brake Drums or Rotors	/			c. Container securement devices on intermodal equipment.
/				d. Brake Hose	/			
/				e. Brake Tubing	/			
/				f. Low Pressure Warning Device	/			
/				g. Tractor Protection Valve	/			
/				h. Air Compressor	/			
/				i. Electric Brakes	/			
/				j. Hydraulic Brakes	/			
/				k. Vacuum Systems	/			
/				l. Antilock Brake System	/			
/				m. Automatic Brake Adjusters	/			
/				<b>2. COUPLING DEVICES</b>	/			<b>7. STEERING MECHANISM</b>
/				a. Fifth Wheels	/			a. Steering Wheel Free Play
/				b. Pintle Hooks	/			b. Steering Column
/				c. Drawbar/Towbar Eye	/			c. Front Axle Beam and All Steering Components Other Than Steering Column
/				d. Drawbar/Towbar Tongue	/			d. Steering Gear Box
/				e. Safety Devices	/			e. Pitman Arm
/				f. Saddle-Mounts	/			f. Power Steering
/				<b>3. EXHAUST SYSTEM</b>	/			g. Ball and Socket Joints
/				a. Exhaust system leaking forward of or directly below the driver/sleeper compartment.	/			h. Tie Rods and Drag Links
/				b. Bus exhaust system leaking or discharging in violation of standard.	/			i. Nuts
/				c. Exhaust system likely to burn, char, or damage the electrical wiring, fuel supply, or any combustible part of the motor vehicle.	/			j. Steering System
/				<b>4. FUEL SYSTEM</b>	/			<b>8. SUSPENSION</b>
/				a. Visible leak.	/			a. Any U-bolt(s), spring hanger(s), or other axle positioning part(s) cracked, broken, loose or missing resulting in shifting of an axle from its normal position.
/				b. Fuel tank filler cap missing.	/			b. Spring Assembly
/				c. Fuel tank securely attached.	/			c. Torque, Radius or Tracking Components
/				<b>5. LIGHTING DEVICES</b>	/			<b>9. FRAME</b>
/				All lighting devices and reflectors required by Part 393 shall be operable.	/			a. Frame Members
/					/			b. Tire and Wheel Clearance
/					/			c. Adjustable Axle Assemblies (Sliding Subframes)
/					/			<b>10. TIRES</b>
/					/			a. Tires on any steering axle of a power unit.
/					/			b. All other tires.
/					/			c. Installation of speed-restricted tires unless specifically designated by motor carrier.
/					/			<b>11. WHEELS AND RIMS</b>
/					/			a. Lock or Side Ring
/					/			b. Wheels and Rims
/					/			c. Fasteners
/					/			d. Welds
/					/			<b>12. WINDSHIELD GLAZING</b>
/					/			Requirements and exceptions as stated pertaining to any crack, discoloration or vision reducing matter (reference 393.60 for exceptions).
/					/			<b>13. WINDSHIELD WIPERS</b>
/					/			Any power unit that has an inoperative wiper, or missing or damaged parts that render it ineffective.
/					/			<b>14. MOTORCOACH SEATS</b>
/					/			Any passenger seat that is not securely fastened to the vehicle structure.
/					/			<b>15. OTHER</b>
/					/			List any other condition(s) which may prevent safe operation of this vehicle.

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.

# INVOICE

DATE: 6/20/24

TO:  
Company Name

**Street Address:**

Phone:

SALESPERSON	P.O. NUMBER	REQUISITIONER	SHIPPED VIA	F.O.B. POINT	TERMS
					Due on receipt

QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL
1	4034409CH FLT7 B4		
1	FLTA C3131369 22133		
		SUBTOTAL	
		SALES TAX	
		SHIPPING & HANDLING	
		TOTAL DUE	1059.37



S		S
O	ACCOUNT NO.	H
L		P
D		
T		T
O		O

***Thank You For Your Business!***

Sales Order No.:  
Print Date: 20-SEP-2022

Ship From:

Sales Order Date: 2022-09-20 12:45:24.0  
Payment Terms:  
Customer PO:  
Incoterms@:  
Shipping Method:

E

Phone Number:

Line	Product	UOM	Qty	Est Ship Date	Request Date	Unit Net Price	Ext Net Price
1.1	450397TU CYL 2B/1R/12S	Each	1	20-SEP-2022	20-SEP-2022		
2.1	612684TU 1/4 TUBE ASSY, CLAW HOLD	Each	1	20-SEP-2022	20-SEP-2022		

Subtotal

Charges

Shipping and  
Handling Costs

Total Charges

Tax

OKVERTEX

Total Taxes

tal USD 837.30

Authorized Buyer's Signature	Date	Authorized Seller's Signature	Date
Buyer Contact			
Name:		Name:	
Title:		Title:	
Telephone:		Telephone:	
Fax:		Fax:	
Email:		Email:	

DATE INVOICE	DATE SHIPPED	SALESPERSON	UNIT ID	VIN	COMPONENT S/N	TERMS	CUSTOMER PO
9/29/2022	9/29/2022					C-MAST	

QTY SHP	QTY B/O	ITEM	BIN LOCATION	DESCRIPTION	UNIT PRICE	EXTD PRICE
1		2602871C91	A12	TANK.MM RAD SURGE TK 1 POR		
1		3810327C2	V08	SENSOR LOW COOLANT 2007 CU		
1		3578833C3	V12	CAP RADIATOR SURGE TANK-15		

77743	
SUB-TOTAL	
STATE TAX	
LOCAL TAX	
SHIPPING	
TOTAL	628.04

#24

## SERVICE INVOICE:

Tag Number: NONE

License Plate Number:

DELIVER TO

DATE ARRIVED		DATE INVOICE	SALES TYPE	ADVISOR	TERMS	PO NUMBER		
9/30/2022 7:30:24AM		9/30/2022			C-MAST			
YEAR	MAKE	MODEL	VIN	CUSTOMER UNIT #	ODOMETER OUT	ENGINE HOURS	IN SERVICE	Component Serial #
2017	INTERNATIONAL	4000	1HTMMM6H11753227		24893	3,784		

## Sold Operations

## JOB #1 20 MISCELLANEOUS

COMPLAINT CHECK COOLANT LEAK AT THE RESERVOIR ( CUSTOMER HAS SUPPLIED PARTS )

CAUSE

CORRECTION

CUSTOMER REQUESTED THAT THE COOLANT RESERVOIR, COOLANT LEVEL SENSOR, AND RESERVOIR CAP BE CHANGED OUT. TECH DRAINED COOLANT FROM THE TRUCK. DISCONNECTED THE COOLANT LEVEL SENSOR FROM THE HARNESS, REMOVED THE COOLANT AERATION LINES FROM THE RESERVOIR, AND REMOVED THE RESERVOIR. TECH INSTALLED NEW LEVEL SENSOR INTO THE NEW RESERVOIR AND INSTALLED THE NEW RESERVOIR. RECONNECTED THE COOLANT HOSES TO THE RESERVOIR, CONNECTED THE NEW SENSOR TO THE HARNESS AND FILLED TRUCK WITH CAPTURED COOLANT. WITH COOLING SYSTEM FULL, TECH PRESSURE TESTED THE SYSTEM. NO EXTERNAL LEAKS FOUND. TECH INSTALLED NEW RESERVOIR CAP. REPAIRS VERIFIED.

QTY	ITEM	DESCRIPTION	UNIT PRICE	EXTD PRICE
1.50	LABOR 20	MISCELLANEOUS		

## JOB #2 20 MISCELLANEOUS

COMPLAINT PM B WET SERVICE

CAUSE

CORRECTION

TECH COMPLETED B SERVICE PM

QTY	ITEM	DESCRIPTION	UNIT PRICE
1	103D/FF63054NN	FILTER, FUEL SPIN- ON	
1	103D/FLTLMEP2TKK	FLEETRITE EP 2 MOLY GREASE- 3	
1	103D/FLTWWS160ZKK	FLEETRITE WWS 160Z	
1	103D/LF3970	L/O FLTR, FILTER-LUBE OIL	
5	103D/ZSH500010048B	FLUID, ROTELLA T4 TRIPROT 15W40	
1	103X/86965	FILTER, FUEL	
3.20	LABOR 20	MISCELLANEOUS	

\$576.06

## SERVICE INVOICE:

## Sold Operations (Cont.)

JOB #3 20

## MISCELLANEOUS

COMPLAINT

CHECK OIL LEAK ( CUSTOMER STATES THAT IF IT IS A SIMPLE FIX GO AHEAD AND FIX IT )

CAUSE

CORRECTION

TECH FOUND LOOSE OIL DRAIN PLUG AND THE OIL FILTER NOT ALL THE WAY TIGHT. THESE ISSUES WERE FIXED BY COMPLETING THE B SERVICE PM.

QTY	ITEM	DESCRIPTION	UNIT PRICE	
0.00	LABOR 20	MISCELLANEOUS		

Sold Operations Totals

\$816.06

	ESTIMATED	
LABOR		
PARTS		
MISC		
SUBLET		
PREPAY		
SUBTOTAL		
SHOP SUPPLIES		
TAX		
TOTAL		\$925.15

X

SHR

DATE ENTERED	YOUR ORDER NO.	DATE SHIPPED	INVOICE DATE	INVOICE NO.
16 NOV 22		16 NOV 22	16 NOV 22	

ACCOUNT NO.

SHIP  
TO

1 אף 1 שנה

#24

## CUSTOMER COPY

TAG: 

## SERVICE INVOICE

BILL TO

DATE CREATED DATE INVOICED

09/30/2022

10/01/2022

CUST. PO NUMBER

AUTH #

UNIT NUMBER

VIN

1HTMMM6N6HH753227

COST CENTER

TERMS

CUST. NO.

VDM

MILES IN

MILES OUT

ENGINE HRS

25,090

25,090

3,788

PHONE

R202004081:01

DTU DATE	YR	MAKE	MODEL	ENGINE SERIAL #	PMT CODE	ADVISOR
12/19/2016	2017	INTERNATIONAL	4000			

## Sold Operations

JOB #2 CUMENG SCP ENGINE CUMMINS

CONDITION INSPECT FOR CHECK ENGINE LIGHT ON/LOW POWER

CAUSE

**CORRECTION** t/s fuel fc 559 and checked inlet restriction and found it was only 3 inhg and it was in spec., checked fuel pump pressure and it was 75 psi and in spec. checked return flows and found injector return flow was out of spec. checked the #6 injector connector torque and it was loose. asked service for approval to remove intake and retorque all injector connector nut torques. they said to go ahead. removed intake and all nuts were loose. torqued to spec. replaced intake gasket and installed items removed. removed test equipment on low pressure side and then ran engine. put into a fuel leakage test and ran for 15 mins and it built and held 25,000 psi with no fc's active. took and pressure washed off engine and found a massive oil leak on the oil cooler housing. the oil pressure test port fittings were loose and close to coming out. tightened fittings and ran engine and oil leaks are now gone. found belt tensioner is making a lot of noise. customer gave approval to replace it if we have one in stock. checked oil level and it was just barey over full road tested and truck had no fc's come back. removed and replaced belt tensioner and now the noise in the front is gone. performed a final health report and parked truck up front.

QTY	ITEM	DESCRIPTION	NET PRICE	EXTD PRICE
		LABOR		
1	202C/3978072	GASKET, CONNECTION		
1	202C/5270678	TENSIONER, BELT		
1	COMPUT	COMPUTER FEE		

**Sold Operations (Cont.)**

Prepay:

04/01/2015

**\*INVOICE TOTAL ON LAST PAGE**

**Sold Operations Totals**

**\$1,004.93**

\_\_\_\_\_  
Customer Signature

\_\_\_\_\_  
Date



Unit 24

From:

To:

Date: Thursday, October 6, 2022 at 01:42 PM CDT

-----

5

Item	Ship From	Qty.	Net Price
VALVE RELIEF 447801TU			
KNUCKLE COVER 475234TU			
V10 WORK PORT RELIEF 448263TU			

**PLEASE REMIT PAYMENT TO:**

DATE ENTERED 17 NOV 22	YOUR ORDER NO.	DATE SHIPPED 17 NOV 22	INVOICE DATE 17 NOV 22	INVOICE NO.
---------------------------	----------------	---------------------------	---------------------------	-------------

S  
O  
L  
D  
  
T  
O

ACCOUNT NO.

SHIP TO

[illegible]

***Thank You For Your Business!***

S		S
O	ACCOUNT NO.	H
L		I
D		P
T		T
O		O

***Thank You For Your Business!***

Invoice No:

**\*INVOICE\***  
**DUPLICATE 1**

Page 1 of 2

## SERVICE ADVIS

UNIT NO.	YEAR	MAKE/MODEL	VIN	LICENSE	MILEAGE IN / OUT	TAG
24	16	INTERNATIONAL 4300	1HTMMMMN6HH753227		27485 / 27514	T24.
DEL. DATE	PROD. DATE	WARR. EXP.	PROMISED	PO NO.	PAYMENT	INV. DATE
15SEP16			23:54 12JAN23			30JAN23
R.O. OPENED	READY	OPTIONS:				
18:30 12JAN23	15:54 30JAN23					

LINE	OPCODE	TECH	TYPE	HOURS	LIST	NET	TOTAL
------	--------	------	------	-------	------	-----	-------

A DIAG FOR ENGINE DERATED

DIAG2 Preliminary diagnosis

4115005 CP

4115069 CP

COMP1 COMPUTER HOOK UP FEE

## PARTS:

1-13-23 4115069- Unit is leaking DEF both internally and externally. Have DEF leaking between the decomp tube and DPF outlet. Decomp tube will need to come off to be cleaned out due to having a fault code for NOx limits exceeded. DEF doser valve will need to be replaced as well. Getting a quote for all parts needed.  
 1/25/23 4115005 help move dead vehicle inside.

\*\*\*\*\*

B REPIAR DERTAE PER ESTIMATE

A12 ENGINE

4115058 CP

1 4329681 GASKET,AFM DEVICE

1 2888173 INJECTOR, DOSER

2 2880213 CLAMP,V BAND

2 2880215 GASKET, AFM DEVICE

1 FLTEC40VBS CLAMP,QUICK LATCH DESIGN V-INS

1 2866636 GASKET, AFM DEVICE

1 FLTXC50GS CLAMP, 5IN, GUILLOTINE U-BOLT,

4 BDT07480 3M SURF

## PARTS:

1840.70

Customer Information		Service Department Hours	DESCRIPTION	TOTALS
Customer Number:			LABOR AMOUNT	
			PARTS AMOUNT	
			GAS, OIL, LUBE	
			SUBLET AMOUNT	
			MISC. CHARGES	
			TOTAL CHARGES	
			LESS INSURANCE	
			SALES TAX	
Home: Bus:			PLEASE PAY THIS AMOUNT	
Cell:				
Email:				

Signature

Date

Customer Copy

Invoice No:

**\*INVOICE\***  
DUPLICATE 1

Page 2 of 2

**SERVICE ADVI**

UNIT NO.	YEAR	MAKE/MODEL	VIN	LICENSE	MILEAGE IN / OUT	TAG
24	16	INTERNATIONAL 4300	1HTMMMMN6HH753227		27485 / 27514	T24.
DEL. DATE	PROD. DATE	WARR. EXP.	PROMISED	PO NO.	PAYMENT	INV. DATE
15SEP16			23:54 12JAN23			30JAN23
R.O. OPENED	READY	OPTIONS:				
18:30 12JAN23	15:54 30JAN23					

LINE	OPCODE	TECH	TYPE	HOURS	LIST	NET	TOTAL
------	--------	------	------	-------	------	-----	-------

4115058 1/25/23 1/26/23 - located unit, unit will not pull it self had to get mule and push it in the shop, once in shop got all parts, slid under bus and inspected, all clamps and connections covered in rust and DEF, clamps will not come loose had to cut 4 clamps off to get decomp tube out, soaked and cleaned decomp tube, pipes where so coated had to use a chisel and a die grinder to clean, removed def doser, had to go to parts and get approval from Kent to install 1 more clamp and gasket, approved, once all pipes and connections where cleaned re installed decomp tube with new gaskets, had to take dpf strap hangers loose to get it all to line u, tightened up all connections, started and let run all codes went inactive, parked behind Joshs bay, he want to put truck trough a regen.

\*\*\*\*\*

C QUALITY CHECK AFTER REPAIRS.

QC QUALITY CHECK AFTER REPAIRS.

99999 CP

RT ROAD TEST

0.00

PARTS

**Customer Information**

**Service Department Hours**

**DESCRIPTION**

**TOTALS**

Customer Number:

LABOR AMOUNT

\$

PARTS AMOUNT

\$

GAS, OIL, LUBE

\$

SUBLET AMOUNT

\$

MISC. CHARGES

\$

TOTAL CHARGES

\$

LESS INSURANCE

\$

SALES TAX

\$

PLEASE PAY  
THIS AMOUNT

\$ 2701.38

Home:

Bus:

Cell:

Email:

Signature

Date

Customer Copy

12:40:42

SHIP  
TO

\_\_\_\_\_

Copyright 2014 CDK Global, LLC PARTS INVOICE SUP - PI3C1 - IMAGING

DATE ENTERED 11 AUG 23	YOUR ORDER NO.	DATE SHIPPED 11 AUG 23	INVOICE DATE 11 AUG 23	INVOICE NO.
---------------------------	----------------	---------------------------	---------------------------	-------------

S  
O  
L  
D  
  
T  
O

ACCOUNT NO.

S  
H  
I  
P  
  
T  
O

SHIP VIA			CTR-SP	OUT-SP	TERMS	F.O.B. POINT TULSA OK		
QTY	UNIT	QTY	PART NO.	DESCRIPTION		BIN	NET	AMOUNT
1	1	0	3839315C1	SWITCH AIR COND		22B2		

3.	PARTS	
	SUBLET	
	FREIGHT	
	SALES TAX	
	TOTAL	\$121.60

**Thank You For Your Business!**

DATE ENTERED 03 AUG 23	YOUR ORDER NO. 100	DATE SHIPPED 09 AUG 23	INVOICE DATE 09 AUG 23	INVOICE NO.
---------------------------	-----------------------	---------------------------	---------------------------	-------------

S  
O  
L  
D  
  
T  
O

ACCOUNT NO.

S  
H  
I  
P  
  
T  
O

SHIP VIA			CTR-SP	OUT-SP	TERMS	F.O.B. POINT TULSA OK	
QTY	QTY	P.O.	PART NO.	DESCRIPTION	BIN	NET	AMOUNT
2	2	0	2509068C91	MODULE, KIT MIR U	FLT9B7		
1	1	0	4033396C94	HOSE, A/C , ASSY	TEST		
4	4	0	2035006C2	SWITCH PRESSURE	11B10		
1	1	0	5010715R91	INJECTOR, I334,	26B3		
			CORE DEPOSIT				
						PARTS	
						SUBLET	
						FREIGHT	
						SALES TAX	
						TOTAL	\$1,749.13

X

*Thank You For Your Business!*



DATE ENTERED 11 AUG 23	YOUR ORDER NO.	DATE SHIPPED 11 AUG 23	INVOICE DATE 11 AUG 23	INVOICE NO.
---------------------------	----------------	---------------------------	---------------------------	-------------

S  
O  
L  
D  
  
T  
O

ACCOUNT NO.

S  
H  
I  
P  
  
T  
O

SHIP VIA	CTR-SP ( )	OUT-SP	TERMS	F.O.B. POINT TULSA OK
----------	---------------	--------	-------	--------------------------

QTY	QUANTITY SHIP	P.O.	PART NO.	DESCRIPTION	BIN	NET	AMOUNT
1	1	0	3599250C92	LIGHT TURN SIGNAL	10B5		

PARTS  
SUBLET  
FREIGHT  
SALES TAX

TOTAL \$68.04

*Thank You For Your Business!*

DATE ENTERED 03 AUG 23	YOUR ORDER NO.	DATE SHIPPED 03 AUG 23	INVOICE DATE 03 AUG 23	INVOICE NO.
---------------------------	----------------	---------------------------	---------------------------	-------------

S  
O  
L  
D  
  
T  
O

ACCOUNT NO.

S  
H  
I  
P  
  
T  
O

SHIP VIA			CTR-SP	OUT-SP	TERMS	F.O.B. POINT TULSA OK	
QTY	SHIP	R.O.	PART NO.	DESCRIPTION	BIN	NET	AMOUNT
1	1	0	FLTBM2602570	BLOWER, FLEETRITE	19B9		
1	1	0	2507655C91	MODULE, KIT FLIP-	21B8		
2	2	0	2507656C91	MODULE, KIT FLIP-	21B8		
2	0	2	2509068C91	MODULE, KIT MIR U	FLT9B7		
2	2	0	2509069C91	MODULE, KIT MIR U	FLT9B7		
1	1	0	2589241C3	HEAD MIRROR STD	20B5		
1	0	1	4033396C94	HOSE, A/C , ASSY	TEST		
The following parts have been special ordered:							
		2	2509068C91	MODULE, KIT			
		1	4033396C94	HOSE, A/C			
						PARTS	
						SUBLET	
						FREIGHT	
						SALES TAX	
						TOTAL	\$1,008.96

Date

**Thank You For Your Business!**

Customer Information	Invoice	Additional Information
<p>Acct Number:</p> <p>Contact: <input type="text"/></p> <p>Contact: <input type="text"/></p>	<p>Date: 9/06/2023</p> <p>Reference: <input type="text"/></p> <p>Salesperson: <input type="text"/></p> <p>Route: <input type="text"/></p> <p>Delivery Date: 9/06/2023</p>	<p>PO Number: <input type="text"/></p> <p>Work Order# <input type="text"/></p> <p>Ordered By: <input type="text"/></p> <p>Delivery Day: wed not shot 6th</p> <p>Entered By: <input type="text"/></p>

Qty	Description	Unit Price	Ext. Price
2.00	BH9630507, 11R22.5 144L, Blackhawk BFR55-/57 FST Prem A/P 16Ply Fet Of \$29 39 Inc BW H (16 Ply), Sailun		

Vehicle 2001 Ford Trucks F-250 Super Duty XL  
 Desc: White LT265/75R16  
 Torque ft lbs) 150-165 \*Inflation Front/Rear (psi) 58/80

Lic No VIN: Mileage IN Mileage OUT OE In c

**Subtotal:**

State Sales Tax 4.5%:

Waste Tire Disposal Fee 18 And Up:

Muskogee County Tax:

City Tax:

**Terms: Due On Receipt**

**Total: \$673.38**

**Invoice Balance: \$673.38**

Terms:	Due Date	Due Amount	Amt Remain
	9/06/2023	\$673.38	\$673 38

SALE AMOUNT

[illegible]

IF YOUR FURNISHINGS ARE:

<p>IF STUFF FURNISHED PART 1:</p>	

NAME			DATE		
ADDRESS			TERMS		
CITY			CUSTOMER'S ORDER		
YEAR			SPEEDOMETER		
TYPE OR MODEL			SERIAL NUMBER		
PHONE WHEN RENTED ?			LICENSE NUMBER		
TIME RECEIVED			TIME PROMISED		
A.M.			P.M.		
A.M.			P.M.		

## REPAIR ORDER — LABOR INSTRUCTIONS

LUBRICATE	<input type="checkbox"/>	CHANGE OIL	<input type="checkbox"/>	FLUSH TRANS	<input type="checkbox"/>	FLUSH DIFF.	<input type="checkbox"/>	WASH	<input type="checkbox"/>	POLISH	<input type="checkbox"/>
-----------	--------------------------	------------	--------------------------	-------------	--------------------------	-------------	--------------------------	------	--------------------------	--------	--------------------------

## Paint & Stencils

[illegible]

SHIP  
TO

unit 24

[illegible]

***Thank You For Your Business!***

QUAN	PART NO.	DESCRIPTION	SALE AMOUNT
------	----------	-------------	-------------

NAME		DATE	
ADDRESS		TERMS	
CITY	PHONE	TIME RECEIVED	
YEAR	WHEN READY	A.M.	P.M.
TYPE OR MODEL	MOTOR NO.	TIME PROMISED	
		A.M.	P.M.
	SERIAL NUMBER	LICENSE NUMBER	
		SPEEDOMETER NO.	
REPAIR ORDER — LABOR INSTRUCTIONS			
ORDER WRITTEN BY			
LUBRICATE <input type="checkbox"/>	CHANGE OIL <input type="checkbox"/>	FLUSH TRANS. <input type="checkbox"/>	FLUSH DIFF. <input type="checkbox"/>
		WASH <input type="checkbox"/>	POLISH <input type="checkbox"/>
<div> <div>RETAIN PARTS <input type="checkbox"/></div> <div>DESTROY PARTS <input type="checkbox"/></div> </div>			
TOTAL LABOR			

## REPAIR ORDER — LABOR INSTRUCTIONS

SAINT STEPHEN CO.

RETAIN PARTS ☐ DESTROY PARTS ☐

## OUTSIDE WORK

**TOTAL AMOUNT** 1377

1

S  
O  
L  
D  
  
T  
O

ACCOUNT NO.

SHIP TO[illegible]

1x

Copyright 2014 COX Global, LLC EMF PARTS INVOICE - XP11C 9696560 - IMAGING

PAGE 1 OF 1

S  
O  
L  
D  
  
T  
O

ACCOUNT NO.

***Thank You For Your Business!***



SALE AMOUNT

**TOTAL PARTS**REPAIR ORDER — LABOR INSTRUCTIONS

ARTS ☐

[illegible]

# Invoice #

Against Estimate#

Created: Oct 13, 2023

Invoiced: Oct 13, 2023

Unit #24

2016 INTERNATIONAL

VIN: 1HTMMMMN6HH753227

Mileage: 37173 mi

License Plate:

## FILTER STOPPED UP

Authorized

Item	Name	Description	Price	QTY/HRS	Amount
1	Labor	RECALIBRATED ECM, AND ACM, REPLACED PARTICULATE FILTER AND RECALIBRATED, REPAIRED EXHAUST			
2	ECM PROGRAMMING				
3	MISC PART	PARTICUALTE FILTER			
4	L50AA - 5" Preformed Clamp Aluminized	5" Preformed Clamp Aluminized			
5	Hdgf4300 - 4 Galvenized Flex"				

Approved by (person) on Oct 13, 2023 3:03 pm

Service subtotal: \$2

Service Amount

Part

Labor

Ecm Programming

Total Service level fee

Ecm Programming

Total RO Fees

Misc. supplies

Subtotal

Taxes (County Tax -

Grand total

Paid to date

Remaining balance

\$2,804.61

Signature:

n. h. h.

#24

CUSTOMER'S ORDER NO.	DEPARTMENT	DATE 6-20-24
----------------------	------------	--------------

NAME	
ADDRESS	
CITY, STATE, ZIP	

SOLD BY	CASH	C.O.D.	CHARGE	ON. ACCT.	MDSE. RETD.	PAID OUT
---------	------	--------	--------	-----------	-------------	----------

QUANTITY	DESCRIPTION	PRICE	AMOUNT
1	3945688C1 1625		
2	4033396C94		
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			

RECEIVED BY

A-5805  
T-46320/46350

KEEP THIS SLIP FOR REFERENCE

01-11

