

Inspection Report (On-Highway Service Truck)

General Info

Year	2015
Make	Ford
Model	F450
Serial Number	1FD0X4GTXFEB96166
Truck Odometer Reading	145,802
Current Inspection / State Cert / DOT	90 day inspection performed August 26th 2022 by in house mechanic
Previous Application (e.g., earth moving, mining, demolition, etc)	Grading General Construction Service Truck

Dimensions

Dimensions	Please enter in or verify (if pre-populated) the following dimensions.
Length (ft and inches)	24' 6"
Width (ft and inches)	8'
Height (ft and inches)	92"
Wheelbase (ft and inches)	163"
GVWR (lbs)	19,000 lbs.

Features and Configuration



Features	Enter in and/or verify the following information regarding the features of this equipment.
Heat	Yes
A/C	Yes
Radio	Yes
Backup Camera	Yes
Cruise Control	Yes
PTO	No
Engine Break	No
Differential Lock	No
OMM (Operator & Maintenance Manual)	Yes
Telematics	No
Auxiliary Engine	No
Liftgate	No
Welder	No
Air Compressor	Yes
Air Compressor Make & Model	VMAC (engine/belt driven air compressor)

Inspection Report (On-Highway Service Truck)

Air Compressor Specifications (cfm, psi, Hp)	V900130CDG014
Crane	Yes
Crane Make & Model	Auto Crane 4004EH
Lifting Capacity (lbs)	4,000 lbs
Max Vertical Lift (ft and inches)	17'
Stabilizer Jacks	Yes
Other Configuration Details / Features / Notes	12v direct powered crane with quick connect cable, Auto Crane controller. Belt driven air compressor installed on engine. Air tank installed underneath r/s of cab. Air hose reel currently missing.

OMM Specifications

OMM Specifications

Detail Specifications	Take photos of the detailed spec pages included in the operator's manual
OMM Spec Photos	
	

Inspection Report (On-Highway Service Truck)



Exterior 360 Walkaround

Exterior 360 Walkaround

<p>Instructions</p>	<p>Take photos of the exterior of the piece of equipment. Capture a full 360 degree walk around and all major components.</p> <p>Must have shots to capture:</p> <ul style="list-style-type: none"> - Front - 45 degree corner shot of left front - 45 degree corner shot of right front - Left side - Right side - Rear - 45 degree corner shot of left rear - 45 degree corner shot of right rear <p>Tips for good photos:</p> <ul style="list-style-type: none"> - Move the equipment into a open area without any visual distractions or other equipment in the background
----------------------------	---

<p>Exterior Walkaround Photos</p>	
--	--

Inspection Report (On-Highway Service Truck)



Inspection Report (On-Highway Service Truck)





Inspection Report (On-Highway Service Truck)



General Appearance Inspection Points




General Appearance

Front	3 - Normal Wear & Tear
Front Condition	No visible damage
Front Photos	
	

Inspection Report (On-Highway Service Truck)



Inspection Report (On-Highway Service Truck)

		
Rear	3 - Normal Wear & Tear	
Rear Condition	No visible damage, Visible chipped paint or dents	
Comments	Small dents on back of service body (both sides)	
Rear Photos		
		




Inspection Report (On-Highway Service Truck)



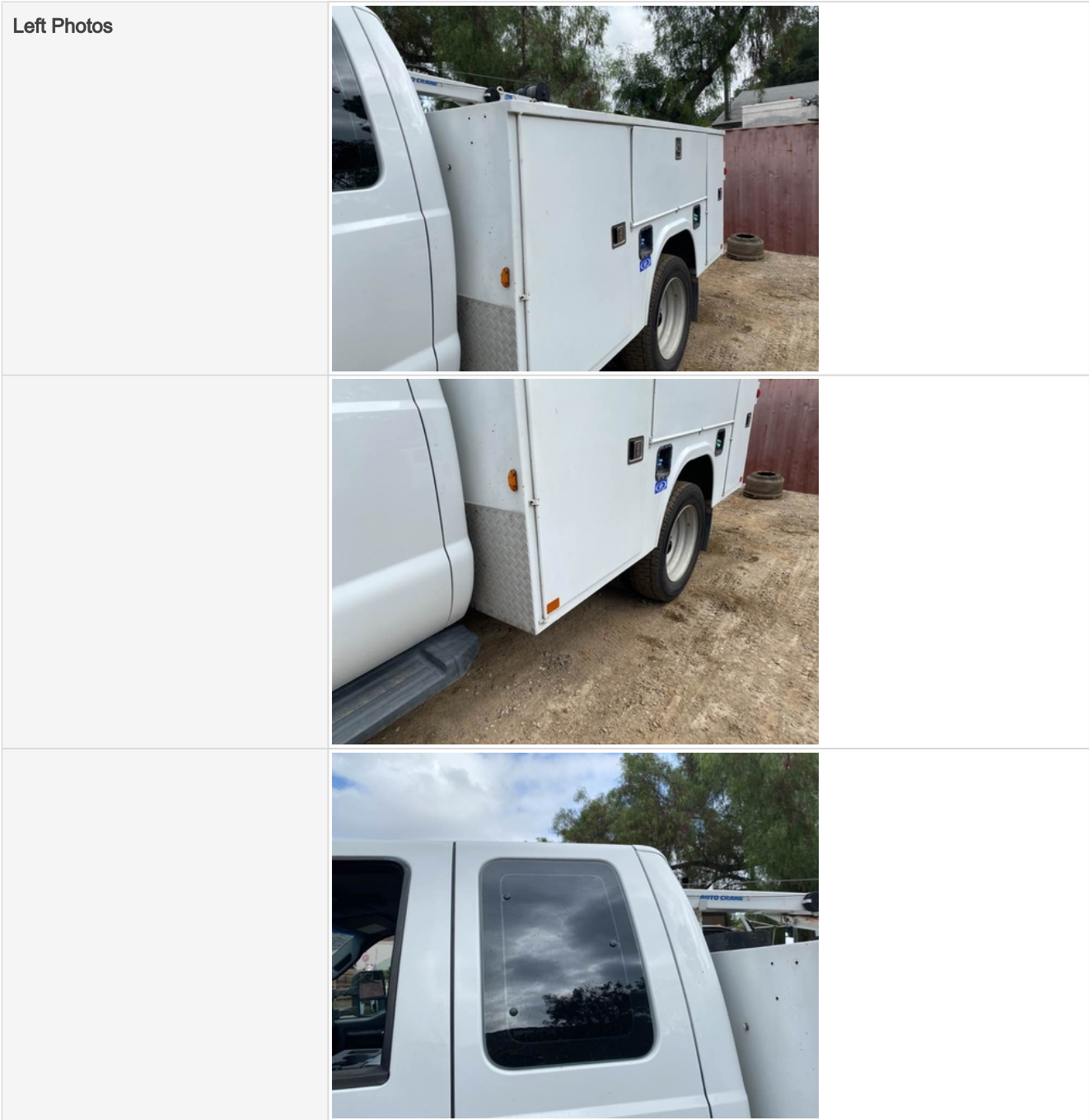
Inspection Report (On-Highway Service Truck)



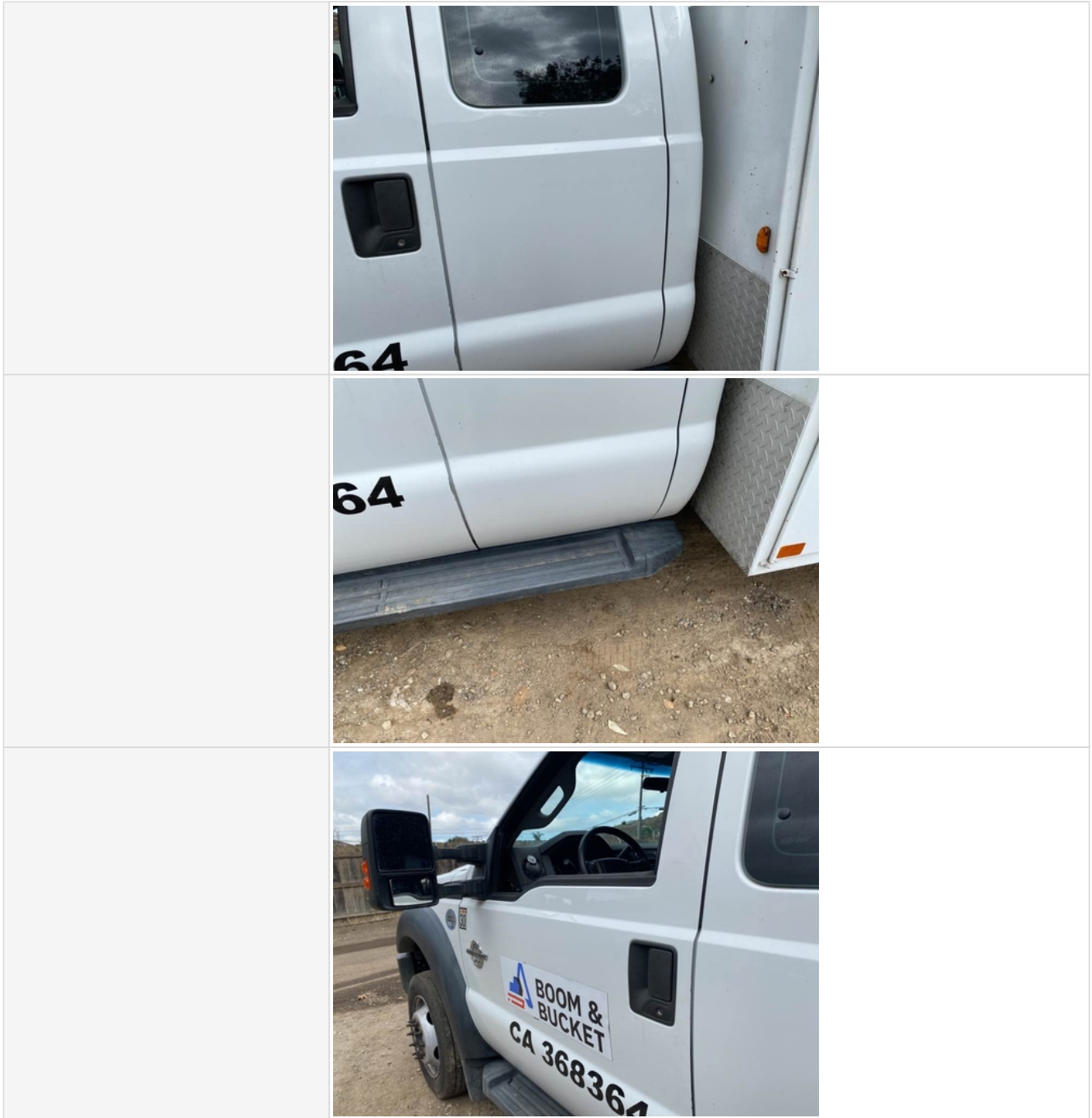
Inspection Report (On-Highway Service Truck)

	
	
	
Left	3 - Normal Wear & Tear
Left Condition	No visible damage




Inspection Report (On-Highway Service Truck)



Inspection Report (On-Highway Service Truck)






Inspection Report (On-Highway Service Truck)

	
	
<p>Right</p>	<p>3 - Normal Wear & Tear</p>
<p>Right Condition</p>	<p>No visible damage</p>
<p>Right Photos</p>	




Inspection Report (On-Highway Service Truck)



Inspection Report (On-Highway Service Truck)

	
	
	
Upper	3 - Normal Wear & Tear
Upper Condition	No visible damage

Inspection Report (On-Highway Service Truck)




Upper Photos	
	
	
Body Panels (Any Rust Damage?)	3 - Normal Wear & Tear
Body Panel Condition	No visible damage, good paint condition and panel fitment, Other (see comments)
Comments	Normal scuff marks and small dents and paint chips on rear of service body

Inspection Report (On-Highway Service Truck)




Body Panels Photos






Inspection Report (On-Highway Service Truck)

	
	
	
Doors / Canopy Latches	3 - Normal Wear & Tear
Doors / Canopy Latches Condition	No visible damage

Inspection Report (On-Highway Service Truck)

<p>Doors / Canopy Latches Photos</p>		
		
		




Inspection Report (On-Highway Service Truck)

		
Glass Condition	3 - Normal Wear & Tear	
Glass Condition Notes	Glass intact, no visible damage	
Glass Condition Photos		
		

Inspection Report (On-Highway Service Truck)



Inspection Report (On-Highway Service Truck)




		
		
		
Mirrors	3 - Normal Wear & Tear	
Mirror Condition Notes	Mirrors present and intact, no visible damage	

Inspection Report (On-Highway Service Truck)

Mirrors Photos



Inspection Report (On-Highway Service Truck)

		
Lighting System	3 - Normal Wear & Tear	
Lighting System Condition	No visible damage, lighting system is operational	
Lighting System Photos		
		

Inspection Report (On-Highway Service Truck)

Operator Cabin Photos



Inspection Report (On-Highway Service Truck)



Inspection Report (On-Highway Service Truck)






Inspection Report (On-Highway Service Truck)






Inspection Report (On-Highway Service Truck)






Inspection Report (On-Highway Service Truck)

		
		
Operator's Seat & Arm Rests	4 - Like New, Recently Replaced	
Comments	Really good clean condition	
Operator's Seat & Arm Rests Photos		

Inspection Report (On-Highway Service Truck)

		
Seat Belt	3 - Normal Wear & Tear	
Seat Belt Photos		
		
Cabin Lights	3 - Normal Wear & Tear	




Inspection Report (On-Highway Service Truck)

<p>Cabin Lights Photos</p>	
	
<p>Controls & Switches</p>	<p>3 - Normal Wear & Tear</p>
<p>Controls & Switches Photos</p>	




Inspection Report (On-Highway Service Truck)






Inspection Report (On-Highway Service Truck)

		
		
Odometer Activity	3 - Normal Wear & Tear	
Odometer Activity Photos		
Other Gauge Activity	3 - Normal Wear & Tear	

Inspection Report (On-Highway Service Truck)

Other Gauge Activity Photos	
Heater & A/C	3 - Normal Wear & Tear
Comments	A/C exceeds 30 degree temp drop from ambient air tem
Heater & A/C Photos	
	
Fans / Vents	3 - Normal Wear & Tear

Inspection Report (On-Highway Service Truck)




Fans / Vents Photos		
		
Horn	3 - Normal Wear & Tear	
Reverse Alarm / Backup Signal	0	
Comments	Either not available or disconnected	
Backup Camera	0	
Other Electronic Devices	6	
Comments	Electronic vmac air compressor controller functions normal	
Other Electronic Device Photos		
Fire Extinguisher	0	

Inspection Report (On-Highway Service Truck)

First Aid Kit	0
---------------	---

Engine Inspection Points

Engine

Engine Type (Make, Model, Cylinders, Hp)	Ford V8 - 6.7L - 400hp
Engine Serial Number	N/A
Engine Fuel Type	Diesel
Engine Photos	  



Inspection Report (On-Highway Service Truck)






Inspection Report (On-Highway Service Truck)






Inspection Report (On-Highway Service Truck)

	
Blow-by (Visual Observation Check)	No
Unusual Noises (Upon Start-up, Idle, Shutdown)	Yes
Unusual Noise Notes	Other (see comments)
Comments	Engine noise may simply be a worn idler and/or tensioner pulley since noise sounds coming from front of engine
Engine Smoke (Upon Start-up, Idle, Shutdown)	No
Engine Smoke Notes	No engine smoke issues observed
Engine Exhaust Color	Clear
Battery	3 - Normal Wear & Tear
Battery Condition	Like new, recently replaced, Clean & dry appearance, tight connections
Battery Condition Photos	
Radiator	3 - Normal Wear & Tear
Radiator Condition	Radiator fins & components appear to be in good working order, no signs of damage or leaks

Inspection Report (On-Highway Service Truck)

Radiator Photos	
	
Belts	3 - Normal Wear & Tear
Belt Condition	Belts appear in good condition & alignment with proper tension, Other (see comments)
Comments	Auxiliary belt that drives air compressor may be misaligned with crank dampner
Belt Photos	

Inspection Report (On-Highway Service Truck)




	
	
	
Hoses	3 - Normal Wear & Tear
Hose Condition	Firm, pliant hoses with no signs of wear or leaks

Inspection Report (On-Highway Service Truck)



Hose Photos





Inspection Report (On-Highway Service Truck)

		
		
		
Water Pump	3 - Normal Wear & Tear	
Water Pump Condition	No unusual pump noises heard	
Cooling System Leaks	No	
Coolant Color / Appearance	3 - Normal Wear & Tear	
Coolant Color/Appearance Notes	Normal Translucent appearance, no visual signs of contamination	
Oil Leaks	Yes	
Oil Leak Notes	Wet areas with drops forming due to oil leakage, Other (see comments)	


Inspection Report (On-Highway Service Truck)

Comments	Very small leak possibly coming from bottom left side of oil pan gasket
Oil Leak Photos	
	
Oil Color / Appearance	3 - Normal Wear & Tear
Oil Color / Appearance Notes	Clean oil appearance, no signs of cross contamination, Appropriate oil level
Fuel Leaks	No
Equipped with DPF (Diesel Particulate Filter)	Yes
DPF Condition	3 - Normal Wear & Tear
DPF Condition Notes	Filter housing is intact with no signs of damage or malfunction, DPF indicator is not illuminated



Inspection Report (On-Highway Service Truck)

DPF Photos		
		
		
Requires DEF (Diesel Exhaust Fluid)	Yes	
DEF Tank	3 - Normal Wear & Tear	

Inspection Report (On-Highway Service Truck)

<p>DEF Tank Photos</p>		
		
		

Inspection Report (On-Highway Service Truck)

	
	
Overall Engine Appearance	Clean & dry
Overall Engine Comments	Minor oil leak could be coming from oil pan gasket left side. Mechanic also said that all 8 injectors were recently replaced. The engine harness was also recently replaced. Recently serviced. Serpentine belt for air compressor needs to be realigned and/or replaced.




Aux. Engine Inspection Points

Instructions	Assess the condition of the aux. engine / power unit. For items on a 4 point scale, evaluate using the following criteria: 4 = Like New, Recently Replaced 3 = Normal Wear & Tear 2 = Above Average Wear 1 = Service Required
---------------------	--




Drivetrain Inspection Points

Drivetrain	
Transmission Info (Make/Model)	Automatic 6 speed Ford Trans
Drive Type	4X2
Overdrive	Yes
Transmission	3 - Normal Wear & Tear
Transmission Condition	No unusual noises or vibrations



Inspection Report (On-Highway Service Truck)

Transmission Condition Photos		
		
		

Inspection Report (On-Highway Service Truck)

		
Clutch	0	
Shift Lever	3 - Normal Wear & Tear	
Shift Lever Photos		
Differential	Check condition of the differential(s). Take photos and notes as relevant.	
Rear Differential	3 - Normal Wear & Tear	
Rear Differential Condition	Dry housing appearance, no unusual noises heard during operation	
Rear Differential Photos		

Inspection Report (On-Highway Service Truck)

	
Front Differential	0
Brake System Type	Hydraulic
Air Brake Hose Condition	0
Foot Brake	3 - Normal Wear & Tear
Foot Brake Condition	Good brake function
Foot Brake Photos	
Engine Brake Configuration	N/A
Parking Brake	2 - Above Average Wear
Parking Brake Condition	Other (see comments)
Comments	Parking brake barely holds at idle while in drive (needs adjustment)
Overall Drivetrain Comments	Overall drivetrain components look solid with no major obvious repairs needed. Parking brake should be adjusted. Rear driver side brake pads below 30 % should be replaced soon.




Chassis & Axle Inspection Points

Chassis

Frame

Frame Condition	3
Comments	As normal

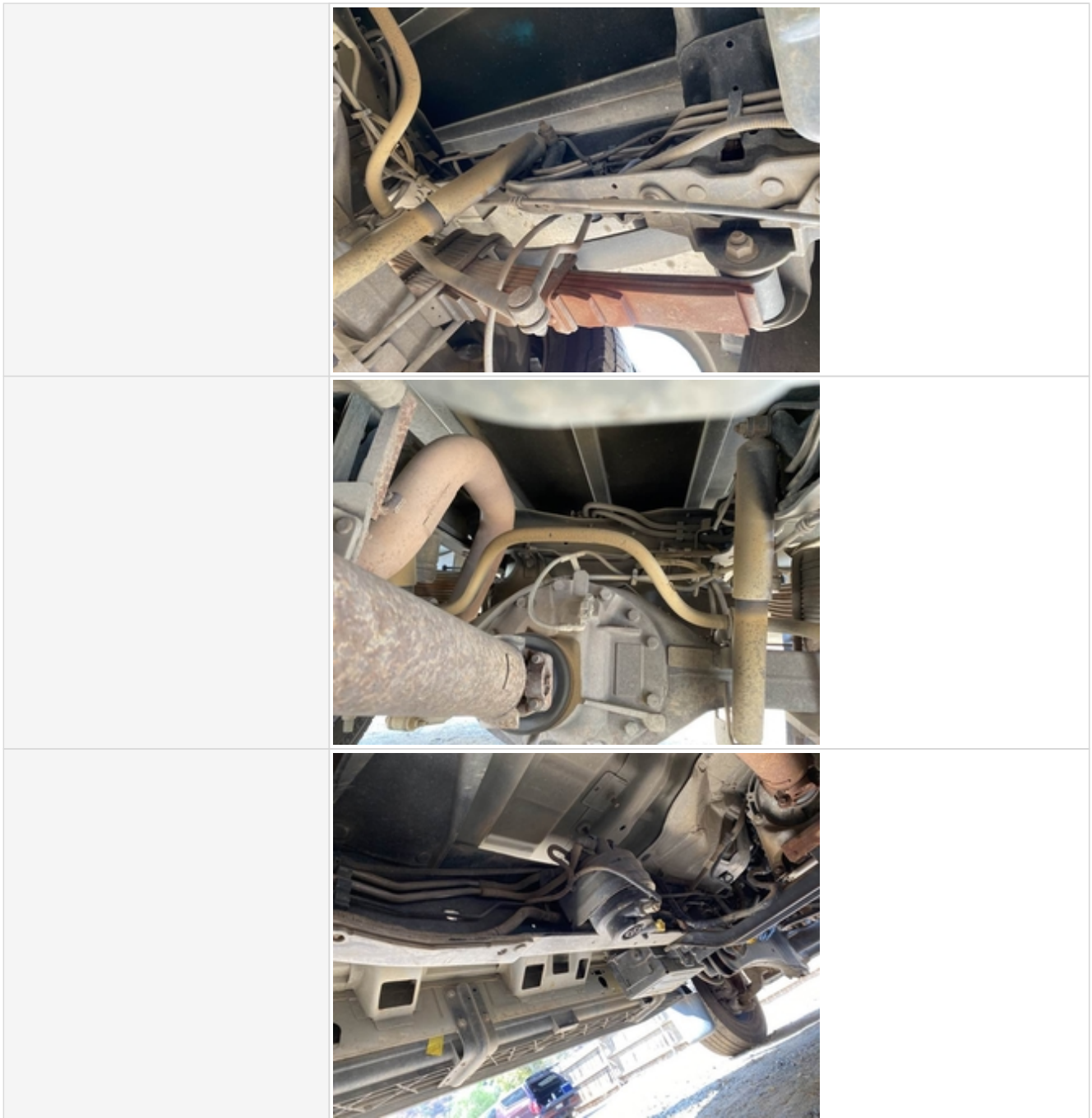
Inspection Report (On-Highway Service Truck)

Frame Photos		
		
		

Inspection Report (On-Highway Service Truck)



Inspection Report (On-Highway Service Truck)



Suspension

Suspension	3
Comments	Front shocks recently replaced, leaf spring assemblies look great

Inspection Report (On-Highway Service Truck)

Suspension Photos



Inspection Report (On-Highway Service Truck)



Inspection Report (On-Highway Service Truck)





Inspection Report (On-Highway Service Truck)






Inspection Report (On-Highway Service Truck)





Steering

Steering Components	3
Comments	Looks good
Steering Components Photos	 A close-up photograph of the steering knuckle and tie rod end assembly. The metal components are heavily rusted and show signs of wear. A blue light source is visible, illuminating the area.
	 Another close-up photograph of the steering knuckle and tie rod end assembly, showing different angles of the rusted components.


Inspection Report (On-Highway Service Truck)

		
		
		
Steer Axle Condition	3	

Inspection Report (On-Highway Service Truck)

Steer Axle Photos		
		




Wheels & Tires

Wheels & Hub Condition	3	
Wheels & Hub Photos		




Inspection Report (On-Highway Service Truck)






Inspection Report (On-Highway Service Truck)

		
		
Wheel Seal Leaks	No	
Tire Brand	Toyo (front) Continental (rear)	
Tire Size	225/70R/19.5 (front and rear)	
Front Left Tire - Ratio Remaining	30%	
Front Left Tire Photos		



Inspection Report (On-Highway Service Truck)

		
Front Right Tire - Ratio Remaining	30%	
Front Right Tire Photos		
		
Rear Right Tire - Ratio Remaining	30%	


Inspection Report (On-Highway Service Truck)

<p>Rear Right Tire Photos</p>	
	
	
<p>Rear Left Tire - Ratio Remaining</p>	<p>50%</p>

Inspection Report (On-Highway Service Truck)

Rear Left Tire Photos		
		

Brake Components

Brake Shoe Thickness	70%
Comments	3 out of 4 brakes shoes are at 70% of brake pad life left. Rear left side brake pads down to 10%
Brake Shoe Photos	

Overall Chassis Condition




Overall Chassis	3
Overall Chassis Comments	Overall chasis in solid condition with no major obvious problems found.

Inspection Report (On-Highway Service Truck)

Overall Chassis & Undercarriage Photos



Inspection Report (On-Highway Service Truck)

		
		
		
Additional Axles	Check the condition of all other axles. Specify the position and type of axle. Note any damage or wear. Take photos.	

Additional Inspection Points

Service Truck Body

Additional Inspection Points: Tool Truck

Tool Truck Body	Check the condition of the tool truck bed body, tool boxes (interior and exterior), and lift gate (if equipped).	
Bed Body	3	

Inspection Report (On-Highway Service Truck)

<p>Comments</p>	<p>RKI truck body 9' bed with Autocrane</p>
<p>Bed Body Photos</p>	
	
	

Inspection Report (On-Highway Service Truck)



Inspection Report (On-Highway Service Truck)






Inspection Report (On-Highway Service Truck)



Inspection Report (On-Highway Service Truck)



Inspection Report (On-Highway Service Truck)

		
<p>Toolboxes</p>	<p>3</p>	
<p>Toolbox Photos</p>		
		




Inspection Report (On-Highway Service Truck)



Inspection Report (On-Highway Service Truck)






Inspection Report (On-Highway Service Truck)

		
		
		
Liftgate Function	0	

Additional Features

Air Compressor Condition	3
Air Compressor Functionality	Operating as expected
Comments	However, hose reel not installed and air is leaking to atmosphere. Compressor belt alignment needs to be addressed. Compressor sounds strong and air tank mounted correctly under cab. Possible pulley worn or misaligned and serpentine belt needs adjustment




Inspection Report (On-Highway Service Truck)

Air Compressor Photos		
		
Crane Condition	3	
Crane Functionality	Operating as expected	
Comments	Crane in good shape	
Crane Photos		

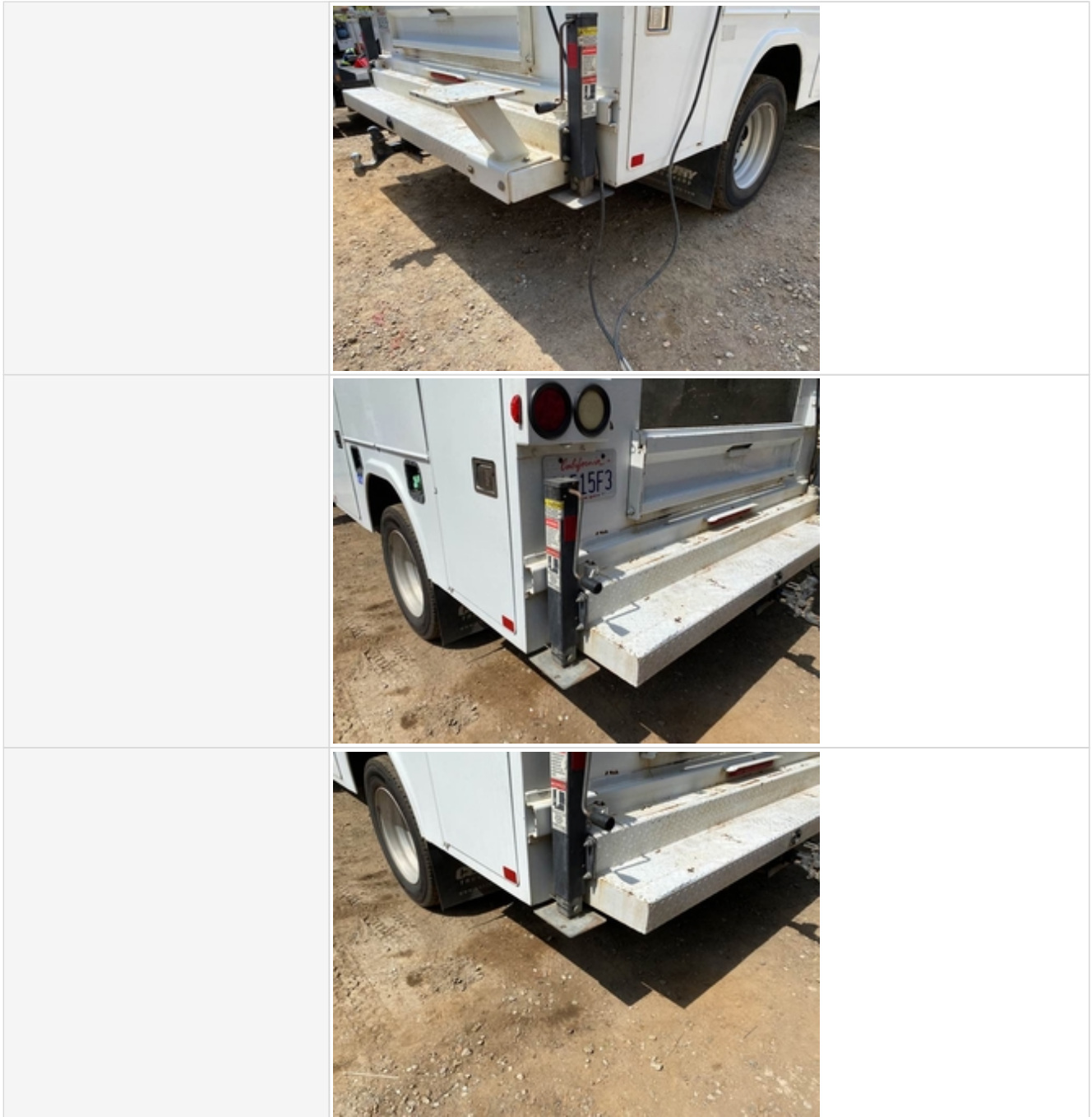
Inspection Report (On-Highway Service Truck)



Inspection Report (On-Highway Service Truck)

		
		
Stabilizer Jacks Condition	3	
Stabilizer Jacks Functionality	Operating as expected	
Stabilizer Jacks Photos		

Inspection Report (On-Highway Service Truck)



Functional Test

Instructions	Evaluate the following on a 4 point scale (leave comments where an explanation is appropriate): 4 = Like New, Recently Replaced 3 = Normal Wear & Tear 2 = Above Average Wear 1 = Service Required
Forward & Reverse	3 - Normal Wear & Tear
Steering	3 - Normal Wear & Tear

Inspection Report (On-Highway Service Truck)

Engine	3 - Normal Wear & Tear
Comments	Possibly front pulley noise (could be heard at idle)
Controls	3 - Normal Wear & Tear
Overall Functional Test Comments	Overall engine, trans and chasis is in great condition. A few minor repairs needed to be 100% but overall a good service truck that can go right into service. Crane operates and air compressor already equipped. A solid high end
Operating Video	Click to Download

Inspection Summary

Exterior Rating	4 - Like New, Recently Replaced
Interior Rating	4 - Like New, Recently Replaced
Safety Rating	3 - Normal Wear & Tear
Quality Rating	4 - Like New, Recently Replaced
Functionality Rating	3 - Normal Wear & Tear
Overall Rating	3 - Normal Wear & Tear
What's Great About the Machine	Pictures don't do this truck Justice. It's super clean inside and out. Normal wear & tear but all minor. The engine has had major repairs done that makes this truck extra dependable. The engine harness and all eight injectors were recently replaced. The engine had a full service and the powertrain maintenance is kept up well. In addition, with a well known brand like Autocrane, this service truck is equipped to perform major repairs with lifting capacities up to 4,000 lbs.
What Needs Work	Engine mounted air compressor needs to be addressed for full functioning performance. The serpentine belt may be misaligned and may be causing the noise heard at idle. (Should be a simple fix). The rear driver side brake pads should be replaced soon. (Below 30% of brake pad left) (Autocrane) fixed crane annual certification should be performed for safety protocols. Possible minor engine oil leak at underneath left side of engine from what seems to be the engine oil pan gasket. Air line open to atmosphere and should be connected to an air hose reel or plugged.
Inspector's Name	Mario Ramirez
Date/Time	09-09-2022