



Zip's Truck Equipment

316 W. Milwaukee Street
New Hampton, Iowa 50659
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FIELD iD

Visual Inspection

Page: 1 of 6

Customer: _____

Address: _____

Serial No: J12387

Equipment Type: Light-Duty Tow Truck

Event Performed: Light Duty Wrecker Inspection

Result: Pass

Inspected By: _____

Division: null

Location: New Hampton, IA

Phone: _____

Reference #: 1HTMMAAM93H597977

Order #: _____

Inspected On: 08/28/15 7:19 AM CDT

Total Score: _____

Comments: _____

Iowa Shop Service Tech 1

Light-Duty Tow Truck-J12387

* Year:	<u>2003</u>	Directional Lightbar/Brand:	<u>Yes - Federal Signal Signalmaster SMLB</u>
* Make:	<u>International</u>	PTO Type:	<u>Hot Shift</u>
* Model:	<u>4300EC</u>	Switch Panel & # Of Switches:	<u>In Dash - 6</u>
* Drive Type:	<u>2 Wheel Drive</u>	* Wrecker Body/Pylon Color:	<u>Red/Black</u>
* Engine Model:	<u>DT466</u>	* Brake Type:	<u>Hydraulic</u>
* Horse Power:	<u>215</u>	* Suspension Type:	<u>Air Ride</u>
* Fuel Type:	<u>Diesel</u>	* Air Compressor-FOR Brake System:	<u>Yes</u>
* Transmission Type:	<u>Automatic</u>	* Air Conditioning:	<u>Yes</u>
* Odometer Reading:	<u>128,093</u>	Air Horn:	<u>Yes</u>
Hour Meter Reading:	<u>7,128</u>	* Radio:	<u>AM/FM/CD</u>
* GVW:	<u>25,500#</u>	* Driver Seat:	<u>Cloth Air Ride High Back w/RH Arm Rest</u>
* GAWR Front:	<u>8,000#</u>	Passenger Seat:	<u>Cloth Air Ride High Back w/LH Arm Rest</u>
* GAWR Rear:	<u>17,500#</u>	Rear Passenger Seat:	<u>Cloth Bench</u>
* Rear Axle Ratio:	<u>4.33</u>	Windows:	<u>Power</u>
* Cab to Axle:	<u>96"</u>	Door Locks:	<u>Power</u>
* Wheel Base:	<u>185"</u>	Cruise Control:	<u>Yes</u>
Wheel Type:	<u>Aluminum</u>	Tilt Steering Wheel:	<u>Yes</u>
* Cab Color ONLY:	<u>Red</u>	Flooring:	<u>Rubber or Vinyl</u>
* Body Make:	<u>Vulcan</u>	Floor Mats:	<u>Yes Rubber or Vinyl</u>
* Body Model:	<u>881</u>	* Bumper:	<u>Chrome</u>
* Body Serial Number:	<u>881-00330</u>	Grille:	<u>Chrome</u>
Body Width:	<u>86"</u>	Engine Block Heater:	<u>Yes</u>
* Beacon/Lightbar Make:	<u>Jerr-Dan</u>	Extra Lights On CAB/Where:	<u>Yes - Front Bumper & Under Cab</u>
* Beacon/Lightbar Model:	<u>SAE-WW3-95</u>		

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Jumper Cable Plug/Where: Yes
 Mirrors: Power/Heated/Lighted Swing Out
 Additional Mirrors: Convex Mirrors
 Fuel Tank/WHERE: 2 Aluminum - LH & RH
 Vertical Exhaust Stack: Yes Dual Vertical
 Cab Roof Marker Lights: Yes
 * Tire Size-Front: 245/70R19.5
 Tire Depth-Front: 10/32"
 * Tire Size-Rear: 245/70R19.5
 Tire Depth-Rear: 5/32"
 Wrecker Body Fenders: Steel Fenderettes
 * Tow Slings: Yes
 # of Winches: 1
 Winch Brand: Ramsey
 Winch Clutch Release: Yes
 Cable Tensioner: Yes
 Pylon: Standard Steel
 Extra Lights on WRECKER/Where: Yes - On Wrecker Sides
 Toolbox System: Tunnel 20"
 Additional Toolboxes: Yes RH Down View Mirror Only
 Dual Controls: Yes
 Rear Safety Chains: Yes
 Light Plug Ins: Yes CR6
 Hook Up Lights: Yes
 * Wheel Lift: Yes
 Wheel Lift Style: Basic L-Arm Style
 # Of Mounted D-Rings/Where: 1 - On Tailboard
 Wheel Lift Controls On Tailboard: Yes
 Hand Rails: Yes

Engine Check	Status	Comments
Ability to Start		-Changed batteries
Engine Blow-By Check	Has some Blow-By	
Engine Oil Leaks		-There's very little oil by the front of the pan and there is no dripping Servicable
Engine Noise	Engine sounds are normal	
Engine Warning Lights	No Check Engine Lights are on	
Engine Water Leaks	No Water Leaks	
Performance	Performs Normally	
Engine Mounts	In Good Condition	
Other Engine Notes		
Engine Brake		

Batteries	Status	Comments
Condition of Cables		-Need to clean Cleaned
Condition of Batteries		-They did not start the truck we will test them Put in 2 new batteries 10/21/14 at ZIP'S New batteries 7/13/15
Load Testing	Pass	
Cooling System	Status	Comments
Radiator	In Good Condition	
Fan	In Good Condition	
Fan Clutch	In Good Condition	
Fan Shroud	In Good Condition	
Water Hoses	In Good Condition	
Fan Belt	In Good Condition	
Other Cooling Condition Notes		
Automatic Transmission Check	Status	Comments
Transmission Operation	Transmission Operates Normally	
Other Transmission Notes		
Manual Transmission Check	Status	Comments
Shifting		
Clutch Operation		
Throw-Out Bearing		
Transmission Noise		
Other Transmission Notes		
Overall Body Condition	Status	Comments
Overall Condition	Good	
Other Overall Body Condition notes		
Cab Exterior	Status	Comments
Hood	Good Condition	-The hood torsion bar spring is broken also the hood hinges are worn
Right Fender		-It has a chunk missing and the mudflap is worn off Fixed
Left Fender	Good Condition	
Grille	In Good Condition	
Back of Cab	Good Condition	
Driver Side Door	Good Condition	
Passenger Side Door	Good Condition	
Roof	Good Condition	
Other Cab Exterior Notes		-Factory front bumper has a lot of rusty spots
Fuel Tank Appearance	In Good Condition	
Entry Steps		-They need paint
Head-Light Doors	In Good Condition	
Battery Box		-It is rusty Also the cover has a hole in it
Driver Side Door Hinges	In Good Condition	
Passenger Side Door Hinges	In Good Condition	
Glass Condition	Status	Comments
Windshield		
Driver Side Window	Good Condition	

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Glass Condition	Status	Comments
Passenger Side Windw	Good Condition	
Back Window	Good Condition	
Other Glass Condition Notes		-Both mirrors are loose Tightened
Overall Interior Condition	Status	Comments
Overall Condition	Good	
Other Overall Interior Notes		
Interior Condition	Status	Comments
Drivers Seat	Good Condition	
Passenger Seat	Good Condition	
Rear Seat	Good Condition	
Floor Mat	Good Condition	
Instrument Cluster	Good	
Dash	In Good Condition	
Door Panels	In Good Condition	
Electric Door Locks	Excellent Condition	
Electric Windows	Operate Properly	
Other Interior Condition Notes		-Center console is loose
Air Vents	In Good Condition	
Door Handles	In Good Condition	
Other Interior Notes		
Windshield Wipers	Status	Comments
Wiper Arms	In Good Condition	
Wiper Blades	In Good Condition	
Washer Tank	In Good Condition	
Washer Control Switch	In Good Condition	
Heating	Status	Comments
Heater Controls	In Good Condition	
Fan Motor	Excellent Condition	
Heater	Heats Appropriately	
Other Heat Notes		
Air Conditioning	Status	Comments
Overall Condition	Inoperative - Unknown Reason	-Compressor cycles on and off Works
Air Conditioning Controls	In Good Condition	
Electrical System-Chassis	Status	Comments
Interior lights		-Some dome lights out Fixed
Turn Signals	Operate Normally	
Head Lights	Operate Normally	
Alternator	Performs Normally	
Guages		-Battery gauge goes up to high
Dash Lights	Dash Lights Perform Normally	
Cab Marker Lights	Marker Lights Perform Normally	
Back-Up Lights		-Don't work Fixed

Electrical System-Chassis	Status	Comments
Back-Up Alarm		-Don't work Replaced
4-Way Flashers	Performs Normally	
Windshield Wipers	Perform Normally	
Other Electrical System Notes		
Cruise Control	Operates Normally	
Engine Throttle		
Drive-Line	Status	Comments
U-Joints	In Good Condition	-Greased
Rear Differential	Leaking Oil	-Right side leaks Replaced wheel seal
Transfer Case		
Other Drive-Line Notes		
Hangar Bearings	In Good Condition	
Brakes	Status	Comments
Air Compressor		-A corner is broken off of the air compressor on the bottom Serviceable
System Air Leaks		
Applied Brakes	Brake apply normally	
Brake Adjusters		
Air Lines		
Low Air Pressure Warning		
Front Brake Drums		
Pusher Axle Brake Drums		
Front Brake Calipers	In Good Condition	
Front Drive Axle Brake Drums		
Front Brake Linings	Under 50%	
Rear Drive Axle Brake Drums		
Rear Brake Calipers	In Good Condition	
Pusher Axle Brake Linings		
Front Drive Axle Brake Linings	50% or Better	-Right is oil soaked New pads
Rear Drive Axle Brake Linings		
Emergency Brake	Performs Normally	
ABS Light		-ABS light is on Fixed
Brake Pedal Pads	In Good Condition	
Other Brake Notes		
Air Dryer		
Wheels	Status	Comments
Front Axle Rims/Wheels	Wheel In Good Condition	
Pusher Axle Rims/Wheels		
Front Drive Axle Rims/Wheels	Wheel In Good Condition	
Rear Drive Axle Rims/Wheels		
Fronts Axle Nut and Studs	In Good Condition	
Pusher Axle Nut and Studs		
Front Drive Axle Nuts and Studs (2) (2)	In Good Condition	
Rear Drive Axle Nuts and Studs		
Wheel Simulators Front Axle		

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Wheels	Status	Comments
Wheel Simulators Pusher Axle		
Wheel Simulators Front Drive Axle		-Hub caps are rusty
Wheel Simulators Rear Drive Axle		
Aluminum Wheels Front Axle	In Good Condition	
Aluminum Wheels Pusher Axle		
Aluminum Wheels Front Drive Axle	In Good Condition	
Aluminum Wheels Rear Drive Axle		
Wheel Hubs	Status	Comments
Front Wheel Seals	In Good Condition	
Front Drive Axle Wheel Bearings	Not Adjusted but No Issue Visible	
Front Wheel Bearings		
Pusher Axle Wheel Seals		
Front Drive Axle Wheel Seals		-Right is leaking New seal
Oil Filled Hubs Front Drive Axle		
Rear Drive Axle Wheel Seals		
Oil Filled Hubs Front Axle		
Pusher Axle Wheel Bearings		
Oil Filled Hubs Pusher Axle		
Oil Filled Hubs Rear Drive Axle		
Rear Drive Axle Wheel Bearings		
Tires	Status	Comments
Front Axle	Tread is less than 50%	-All tires replaced
Pusher Axle		
Front Drive Axle		
Rear Drive Axle		
Notes on Tires		
Exhaust System	Status	Comments
Manifold	In Good Condition	
Exhaust Tubing	In Good Condition	
Muffler		-Straight piped to stacks
DPF System		
Emnsions Warning Light		
Exhaust Shield		
Exhaust Stack	In Good Condition	
Exhaust Mounting Bracket	In Good Condition	
Frame	Status	Comments
Integrity of Frame	In good Condition	-The main wrecker and wheel lift frame has a rust hole on the right side by main pivot pin
Suspension	Status	Comments
Air Bags	In God Condition	
Air Leaks	No Air Leaks Noticed	
Air Lines	In Normal Condition	
Spring Packs	In Good Condition	
Front Spring Hangars	In Good Condition	
Rear Spring Hangars	In Good Condition	
Radius Arms	In Good Condition	
Rear Suspension Bushings	In Good Condition	
Air Leveling Valve		

Steering and Front Axle	Status	Comments
Steering Pump	Operates Normally	
Steering Lines	In Good Operating Condition	
Steering Sector	In Good Operating Condition	
King Pins/Ball Joints	In Good Condition	
Steering Shaft	In Good Condition	
Pitman Arm		
Drag Link	In Good Condition	
Tie Rod	In Good Condition	
Toe in Check	Not Checked	
4x4 Hubs		
Steering Wheel		-The cover is torn Removed cover
Steering Wheel Position		-Ok
Fuel System	Status	Comments
Fuel Gauge	Works Normally	
Fuel Tank	In Good Condition	
Fuel Fill	Fills Normally	
Fuel Lines	In Good Condition	
Fuel Filter	Not Replaced	
Glow Plugs or Exhaust Heater	Status	Comments
Glow Plug Operation		
Intake Manifold Heater		
Fluids	Status	Comments
Windshield Washer	Not Checked	
Engine Oil	Full	
Radiator Anti-Freeze		
Transmission Fluid		
Transfer Case Oil		
Front Drive Axle		
Rear Drive Axle		
Battery Acid Levels	Not Checked	
Hydraulic Oil		
Brake Fluid		
Power Steering Fluid		
Winch 1 Oil		
Winch 2 Oil		
Winch 3 (Above Cab) Oil		
Filters	Status	Comments
Water Filter	Original (Not replaced)	
Engine Oil Filter	Original (Not replaced)	
Transmission Oil Filter	Original (Not replaced)	
Fuel Filter	Original (Not replaced)	
Carrier Hydraulic System	Not Changed	
Overall Wrecker Body Condition	Status	Comments
Overall Condition	Fair	
Wrecker Body Condition	Status	Comments
Body Sides Condition	Surface Rust (See Comments)	-Has some rusted spots also the right side has an old gas fill hole
Body Deck Condition	Rust Holes in Floor	-It is rusted
Front of Body Condition	In Good Condition	
Body Side Condition		

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Wrecker Body Condition	Status	Comments
Side Rail Cap Condition (2)		-Right side has a rust hole
Driver Side Tool Box 1 Condition		
Passenger Side Tool Box 1 Condition		
Tunnel Tool Box 1 Condition	In Good Condition	
Tail-Board Condition	In Good Condition	
Power Take-Off	Status	Comments
Operation	Operates Normally	
Oil Leaks		
PTO Warning Light		-It don't work Fixed
Shifting Mechanism	Electrical Switch Working Properly	
Air Leaks		
Hydraulic Pump	Status	Comments
Oil Leaks	No Oil Leaks	
Operation	Pump Operates Normally	
Pump Pressure		
Pump Flow	Not Tested	
Controls & Valve	Status	Comments
Oil Leaks	Leaks From Valve Section	
Operation		
Control Levers and Rods	In Good Condition	
Knobs		-One knob is missing also it needs some decals Replaced caps on wheellift valve and cleaned out caps for boom valve
Hydraulic System Hoses	Status	Comments
Oil Leaks	In Operating Condition	
Hydraulic System Leaks	Status	Comments
Winch Hoses	No Oil Leaks	
Boom Lift Cylinder Hoses	No Oil Leaks	
Boom Extension Cylinder Hoses	No Oil Leaks	
Wheel-Lift Tilt Cylinder Hoses	No Oil Leaks	
Wheel-Lift Extend Cylinder Hoses (2)		-There is oil on them Tightened hose
Wheel-Lift Up/Down Cylinder Hoses (2)	No Oil Leaks	
Hydraulic Pump Hoses	No Oil Leaks	
Hydraulic Filter	No Oil Leaks	
Bed Lift Cylinders		
Extend Cylinder		
Wheel-Lift Tilt Cylinder	No Oil Leaks	
Wheel-Lift Extend Cylinder		-It has oil there Tightened
Wheel-Lift Claw Cylinder Drivers Side		
Wheel-Lift Claw Cylinder Passenger Side		
Cylinder Conditon	Status	Comments
Boom Lift Cylinder	Operates Normally	
Boom Extend Cylinder	Operates Normally	
Wheel-Lift Extend Cylinder	Operates Normally	
Wheel-Lift Tilt Cylinder	Operates Normally	

Cylinder Conditon	Status	Comments
Wheel-Lift Lift Cylinder	Operates Normally	
Wheel-Lift Lift Claw Cylinders		
Pylon	Status	Comments
Overall Condition	Need Paint	-It has rust spots
Winch	Status	Comments
Oil Leaks	No Oil Leaks	
Free-Wheel Mechanism Winch 1		-It goes in and out hard Handle moves freely
Free-Wheel Mechanism Winch 2		
Free-Wheel Mechanism Winch 3		
Housing Winch 1	In Good Condition	
Housing Winch 2		
Housing Winch 3		
Operation Without Load	Performs Normally	
Operation Without Load Notes		
Test Operation Loaded		
Test Operation Notes		
Winch 1 Cable	In Good Condition	
Winch 2 Cable		
Winch 3 Cable		
Wheel-Lift	Status	Comments
L-Arms/Scoops	In Fair Condition	
L-Arm Straps	Missing	-Does not require them
L-Arm Storage	In Good Condition	
Driver Side Claw		
Passenger Side Claw		
Driver Side Slide Tray	In Fair Condition	
Passenger Side Slide Tray	In Fair Condition	
Passenger Side Slide Tray Locks		-They will not move Greased and move freely
Driver Side Slide Tray Locks		-They will not move Greased and move freely
Driver Side Front Stops (Vulcan)		
Passenger Side Front Stops (Vulcan)		-Bent or broken. Servicable
Driver Side L-Arm Swivel		-It is rusted don't move Moves freely And greased
Passenger Side L-Arm Swivel		-It is rusted don't move Moves freely
Center Pivot Pin and Bushing		-It has some wear New pin
Wheel-Lift Cross-Bar	In Good Condition	
Pins and Bushings		-They are worn Servicable
Extension Tube	In Fair Conditon	
Outer Wheel-Lift Assembly	In Fair Conditon	
Wheel-Lift Swivel Lock Pins	Missing	
Wheel-Lift Swive Removeable Lock Pins	Missing	
Scoop Locking Pins and Chains		
Driver Side Claw Cylinders		
Main Pivot Pin for Tilting	In Good Condition	

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Wrecker Electrical Systems	Status	Comments
Switch Panel	In Good Condition	
Overall Wiring Condition	In Good Condition	
Bed Wiring Harness Condition		
Junction Boxes Condition	In Good Condition	
Marker Lights	In Good Condition	-Some out right side All new wiring
Driver Side Turn Signals Upper	In Good Condition	
Passenger Side Turn Signals Upper	In Good Condition	
Driver Side Turn Signals Upper Lower	In Good Condition	
Passenger Side Turn Signals Lower	In Good Condition	
Extra Warning Lights		
Extra Clearance Lights	In Good Condition	
UpperWork Lights	In Good Condition	
Lower Work Lights		-L2 don't work New 4411 bulbs
Work Lights Mounted Near Winch		
Beacon Light 2		
Beacon Light 3		
Beacon Light 1	In Good Condition	
Tow Light Plug at Tail-Board	Not Checked	
Tool Boxes	Status	Comments
Box Driver Side 1		
Box Driver Side 2		
Box Passenger Side 1		
Box Passenger Side 2		
Fenderettes	Status	Comments
Drivers Side		-A lot of rusty spots
Passenger Side		-A lot off rusty spots
Wrecker Lubrication	Status	Comments
Lift Cylinder Pins	Freshly Greased	
Tilt Cylinder Pins	Freshly Greased	
Wheel-lift Tilt Pin	Freshly Greased	
Wheel-Lift Cross-Bar Pivot Pin	Freshly Greased	
Upper Wheel-Lift Extension Slide Pads	Freshly Greased	
Lower Wheel-Lift Extension Slide Pads (2)	Freshly Greased	
Wheel-Lift Lift Tower Wear Pads	Freshly Greased	
Wheel-Lift Arm Pins and Bushings	Freshly Greased	
Tool Box Hinges and Latches		-Need to lube also check keys
Chains	Status	Comments
Rear Safety Chains		
J-Hook Chains		-They are missing Replaced with used
Tow Sling	Status	Comments
Sling Arms	In Good Operating Condition	
Sling Belts	In Good Operating Condition	
Top Lift Bar	In Good Condition	
Lower Lift Bar	In Good Condition	

Chassis Lubrication	Status	Comments
King Pins/Ball Joints	Appears Dry	-Need to grease the whole front end Greased
Tie-Rod Ends	Appears Dry	
Drag Link	Appears Dry	
Steering Shaft	Appears Dry	
Drive-Line U-Joints	Appears Dry	
Spring Shackles	Appears Dry	
Door Locks and Hinges		-Need to lube and adjust Lubed adjusted
Wrecker Mounting System	Status	Comments
Front Bed Mounting Brackets	Brackets and Bolts in Good Condition	
Rear Bed Mounting Brackets (2)		-The rear mounting bolts are loose New bolts
Shock Absorbers	Status	Comments
Front Shocks	In Good Condition	
Rear Shocks	In Good Condition	