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**Palm Beach County Fleet Management Asset Maintenance History**  
**10200830 2016 FORD F450 Utility Body, 16,500 Gvwr, Heavy Duty Crane**

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**Total Hours: 365.25    Labor: 25,649.00    Parts: 25,248.74    Comm: 4,821.62    Charged: 55719.36**

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**Work Order:** 1607781      **Meter:** 319      **In Date:** 08/01/2016    **Closed:** 08/04/2016  
**Problem:** fill def fluid

**Work Completed**

**Parts Issued**

**Quantity**

- Fill Def      Def Quart      3.00  
Hours: 0.00      Comm: 0.00      Labor: 0.00      Parts: 4.64      Total: 4.64

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**Work Order:** 1607911      **Meter:** 319      **In Date:** 08/02/2016    **Closed:** 08/02/2016  
**Problem:** 1061 - Pre Delivery Inspection

**Work Completed**

- Pre Delivery Inspection  
Hours: 4.00      Comm: 0.00      Labor: 240.00      Parts: 0.00      Total: 240.00

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**Work Order:** 1611431      **Meter:** 3222      **In Date:** 11/04/2016    **Closed:** 11/21/2016  
**Problem:** LOW DEF FLUID.

**Work Completed**

**Parts Issued**

**Quantity**

- Service Def system.      Def Fluid 2.5      1.00  
- Shop Supplies      Shop Supplies      1.00  
Hours: 1.00      Comm: 0.00      Labor: 60.00      Parts: 17.65      Total: 77.65

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**Work Order:** 1701155      **Meter:** 6960      **In Date:** 02/03/2017    **Closed:** 02/13/2017  
**Problem:** Low DEF.

**Work Completed**

**Parts Issued**

**Quantity**

- Service Def System.      Def Fluid 2.5      1.00  
- Shop Supplies      Shop Supplies      1.00  
Hours: 1.00      Comm: 0.00      Labor: 60.00      Parts: 17.65      Total: 77.65



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**Palm Beach County Fleet Management Asset Maintenance History**  
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**Work Order:** 1705840      **Meter:** 11721      **In Date:** 06/12/2017      **Closed:** 06/30/2017

**Problem:** Crane boom not going down.Had to drive to 10969 handle place Boca Raton

**Work Completed**

**Parts Issued**

**Quantity**

- Travel to 10969 Handle Place Boca.diagnose crane stuck up.manually service crane to travel safe position to return to Sr Shop for repairs.
- Check engine light was on..scan and found code P2002.clean diesel particulate filter and clear codes.
- C/s Crane stuck up.inspect electrical and hydraulic system.clean all electrical connectors and pack with dielectric grease.unable to verify concern at this time.
- Shop Supplies

Dielect Silicone Comp	1.00
Shop Supplies	1.00

Hours: 8.00      Comm: 0.00      Labor: 480.00      Parts: 10.15      Total: 490.15

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**Work Order:** 1706542      **Meter:** 12301      **In Date:** 07/03/2017      **Closed:** 07/12/2017

**Problem:** DEF

**Work Completed**

**Parts Issued**

**Quantity**

- Inspect and service Def system.
- Shop Supplies

Def Fluid 2.5	2.00
Shop Supplies	1.00

Hours: 1.00      Comm: 0.00      Labor: 60.00      Parts: 33.83      Total: 93.83

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**Palm Beach County Fleet Management Asset Maintenance History**  
**10200830 2016 FORD F450 Utility Body, 16,500 Gvwr, Heavy Duty Crane**

**Work Order:** 1707136      **Meter:** 12950      **In Date:** 07/21/2017      **Closed:** 08/31/2017  
**Problem:** PM Service

**Work Completed**

- Pm Service.
- Pm crane service and service outriggers.service hydraulic filter.
- Two side marker lamps on front sides of cabin and both brake lamp assemblies replaced.
- Rotate and balance all six tires.
- Repaired loose tailgate and adjust straps and adjust to close properly.
- Shop Supplies

**Parts Issued**

**Quantity**

Napagold Oil Filter	1.00
15w40 Bulk South Reg	15.00
Napagold Fuel Filter	1.00
Air Filter (gold), Air Panel	1.00
22" Wiper Blade	2.00
Washer Fluid Concentr	1.00
Napa Hydraulic Filtr	1.00
Aw68 Bulk Sr	6.00
Macs Chain Cable Lube	1.00
Led Lamp	2.00
Led Sup Mdl 44 42 Dio	2.00
Shop Supplies	1.00

Hours: 9.75

Comm: 0.00

Labor: 585.00

Parts: 306.40

Total: 891.40

**Work Order:** 1708610      **Meter:** 13287      **In Date:** 08/31/2017      **Closed:** 10/24/2017  
**Problem:** CHECK ENGINE LIGHT STAYS ON, OIL LEAK .

**Work Completed**

- Transport vehicle to and from dealer for replacing crankshaft front seal and front cover gaskets under warranty.(1095 hours)
- Shop Supplies

**Parts Issued**

**Quantity**

Shop Supplies	1.00
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Hours: 2.00

Comm: 0.00

Labor: 120.00

Parts: 2.00

Total: 122.00

**Work Order:** 1711605      **Meter:** 14892      **In Date:** 11/28/2017      **Closed:** 11/30/2017  
**Problem:** Low DEF fluid

**Work Completed**

- Inspect and service Def system.
- Shop Supplies

**Parts Issued**

**Quantity**

Def Fluid 2.5	2.00
Shop Supplies	1.00

Hours: 1.00

Comm: 0.00

Labor: 60.00

Parts: 37.37

Total: 97.37



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**Palm Beach County Fleet Management Asset Maintenance History**  
**10200830 2016 FORD F450 Utility Body, 16,500 Gvwr, Heavy Duty Crane**

**Work Order:** 1802626  
**Problem:** PM

**Meter:** 16426

**In Date:** 03/09/2018 **Closed:** 03/28/2018

**Work Completed**

- pm
- pm crane
- replace cap for hyd resevoir
- replace vise handle
- to alpacker 2xs
- test drive
- Shop Supplies

**Parts Issued**

**Quantity**

Napagold Oil Filter	1.00
15-40 Oil	15.00
Napagold Fuel Filter	1.00
Wiper Blade	2.00
Washer Fluid Concentr	1.00
Non-chlor Brake Clnr	2.00
Macs Chain Cable Lube	1.00
Napa Hydraulic Filtr	1.00
Aw68 Hydro Fluid Hydr	39.00
Filler Breather	1.00
ridgid vise handle	1.00
Air Filter (gold), Air Panel	1.00
Shop Supplies	1.00

Hours: 12.50

Comm: 0.00

Labor: 750.00

Parts: 412.06

Total: 1,162.06

**Work Order:** 1808022  
**Problem:** Transport to Al Packer

**Meter:** 17394

**In Date:** 02/06/2018 **Closed:** 08/06/2018

**Work Completed**

- Tow From: He shop To: Al Packer Ford East

Hours: 0.00

Comm: 132.00

Labor: 0.00

Parts: 0.00

Total: 132.00

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**Palm Beach County Fleet Management Asset Maintenance History**  
**10200830 2016 FORD F450 Utility Body, 16,500 Gvwr, Heavy Duty Crane**

**Work Order:** 1809932      **Meter:** 18019      **In Date:** 09/26/2018      **Closed:** 10/31/2018  
**Problem:** P.M.SERVICE,BATTERY

**Work Completed**

- Pm Service.
- Mount and balance 6 tires.
- Def Service.
- Replace 6 way socket and wire harness repaired.
- Replace hitch pin w/clip (missing)tighten.hitch ball(loose)
- Pm crane and outrigger.
- Drain and flush hydraulic tank and fill with new fluid.
- Perform regen to exhaust filter system with scan tool.reset adaptives and clear codes.
- Unseize vice to work properly
- Adjust tailgate to work properly.
- Transport vehicle to and from dealer for replacing batteries under warranty.
- Shop Supplies

**Parts Issued**

**Quantity**

Used Fire X Refurbished	1.00
15w40 Bulk South Reg	14.00
Napagold Oil Filter	1.00
Napagold Fuel Filter	1.00
Washer Fluid Concentr	1.00
22" Wiper Blade	2.00
Air Filter (gold), Air Panel	1.00
225-70r19.5 Mounted Endurance Rsa	5.00
Aw68 Bulk Sr	80.00
Def Fluid 2.5	2.00
trailer plug	1.00
Pin W/clip 5/8 For Hitch	1.00
Napa Hydraulic Filtr	1.00
225-70r19.5 Mounted Endurance Rsa	1.00
Shop Supplies	1.00
Tire Disposal Fee	6.00

Hours: 22.25

Comm: 0.00

Labor: 1,490.75      Parts: 3,085.97      Total: 4,576.72

**Work Order:** 1900479      **Meter:** 20032      **In Date:** 01/14/2019      **Closed:** 01/28/2019  
**Problem:** Low in DEF fluid.

**Work Completed**

- Inspect and service Def System.
- Shop Supplies

**Parts Issued**

**Quantity**

Def Fluid 2.5	1.00
Shop Supplies	1.00

Hours: 1.00

Comm: 0.00

Labor: 67.00      Parts: 19.11      Total: 86.11

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**Palm Beach County Fleet Management Asset Maintenance History**  
**10200830 2016 FORD F450 Utility Body, 16,500 Gvwr, Heavy Duty Crane**

**Work Order:** 1905756      **Meter:** 24290      **In Date:** 05/31/2019      **Closed:** 06/17/2019  
**Problem:** Low DEF fluid

**Work Completed**

- Inspect and service Def system.
- Shop Supplies

Hours: 1.00

Comm: 0.00

**Parts Issued**

	<b>Quantity</b>
Def Fluid 2.5	2.00
Shop Supplies	1.00

Labor: 67.00      Parts: 35.22      Total: 102.22

**Work Order:** 1906012      **Meter:** 24290      **In Date:** 06/07/2019      **Closed:** 06/26/2019  
**Problem:** P.M.SERVICE

**Work Completed**

- Pm Service.
- Replace left amber side marker lamp and both Led brake lamp assemblies.
- Replace washer nozzles and hoses
- Service crane and outriggers.
- Mount three tires.rotate and balance six.
- Replace front and rear brake pads.service rotors,calipers and slides.bleed system.
- Replace damage 6 way socket and repaired harness.
- Shop Supplies

Hours: 23.50

Comm: 0.00

**Parts Issued**

	<b>Quantity</b>
Used Fire X Refurbished	1.00
Napagold Oil Filter	1.00
15w40 Bulk South Reg	14.00
Napagold Fuel Filter	1.00
Air Filter (gold), Air Panel	1.00
Washer Fluid Concentr	1.00
22" Wiper Blade	2.00
Led Sup Mdl 44 42 Dio	2.00
Led M C Lamp	2.00
Washer Jet	2.00
Hose	1.00
Hose Wacher	1.00
Non-chlor Brake Clnr	1.00
Brake Pads	2.00
Aw68 Bulk Sr	6.00
Napa Hydraulic Filtr	1.00
225-70r19.5 Mounted Endurance Rsa	3.00
trailer plug	1.00
Shop Supplies	1.00
Tire Disposal Fee	3.00

Labor: 1,574.50      Parts: 1,990.07      Total: 3,564.57

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**Palm Beach County Fleet Management Asset Maintenance History**  
**10200830 2016 FORD F450 Utility Body, 16,500 Gvwr, Heavy Duty Crane**

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**Work Order:** 1907712                      **Meter:** 25789                      **In Date:** 07/25/2019   **Closed:** 07/31/2019  
**Problem:** Hitch pin and tail lights inop.

**Work Completed**

- Install hitch pin.
- Diagnose for taillights inop.and replace bad micro relay for park lights.
- Shop Supplies

Hours: 1.75

Comm: 0.00

**Parts Issued**

**Quantity**

Pin W/clip 5/8 For Hitch	1.00
Relay	1.00
Shop Supplies	1.00

Labor: 117.25

Parts: 28.65

Total: 145.90

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**Work Order:** 1908590                      **Meter:** 26797                      **In Date:** 08/16/2019   **Closed:** 08/26/2019  
**Problem:** Broken bin door key.

**Work Completed**

- Extract broken key from bin lock and replace with two new keys.
- Shop Supplies

Hours: 1.00

Comm: 0.00

**Parts Issued**

**Quantity**

Compartment Key	2.00
Shop Supplies	1.00

Labor: 67.00

Parts: 26.10

Total: 93.10

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**Work Order:** 1909046                      **Meter:** 27234                      **In Date:** 08/29/2019   **Closed:** 08/30/2019  
**Problem:** DEF

**Work Completed**

- Service Def system.
- Shop Supplies

Hours: 1.00

Comm: 0.00

**Parts Issued**

**Quantity**

Blue Df	2.00
Shop Supplies	1.00

Labor: 67.00

Parts: 34.02

Total: 101.02

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**Palm Beach County Fleet Management Asset Maintenance History**  
**10200830 2016 FORD F450 Utility Body, 16,500 Gvwr, Heavy Duty Crane**

**Work Order:** 1912214      **Meter:** 30568      **In Date:** 11/26/2019      **Closed:** 12/16/2019  
**Problem:** P.M.SERVICE

**Work Completed**

- Pm Service.
- R/r seized vise to service and replaced missing vise handle.
- Pm Crane and service outriggers
- Def service.
- Replace both Led brake lamps.
- Perform regeneration with scan tool and reset adaptives.
- Repair tailgate hinge and adjust to open and close properly.
- Rotate and balance 6 tires.
- Wash engine compartment.
- Shop Supplies

**Parts Issued**

**Quantity**

15w40 Bulk South Reg	14.00
Napagold Oil Filter	1.00
Napagold Fuel Filter	1.00
Air Filter (gold), Air Panel	1.00
22" Wiper Blade	2.00
Washer Fluid Concentr	1.00
ridgid vise handle	1.00
Aw68 Bulk Sr	6.00
Napa Hydraulic Filtr	1.00
Def Fluid 2.5	2.00
Led Sup Mdl 44 42 Dio	2.00
Shop Supplies	1.00

Hours: 14.50      Comm: 0.00      Labor: 1,058.50      Parts: 408.15      Total: 1,466.65

**Work Order:** 1912688      **Meter:** 30568      **In Date:** 12/11/2019      **Closed:** 12/17/2019  
**Problem:** replace cracked windsheild

**Work Completed**

- set up repairs & reasset
- Shop Supplies

**Parts Issued**

**Quantity**

Shop Supplies	1.00
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Hours: 1.00      Comm: 447.18      Labor: 73.00      Parts: 4.00      Total: 524.18

**Work Order:** 2002763      **Meter:** 32570      **In Date:** 03/18/2020      **Closed:** 03/23/2020  
**Problem:** Low DEF fluid.

**Work Completed**

- Inspect and service Def system.
- Shop Supplies

**Parts Issued**

**Quantity**

Def Fluid 2.5	1.00
Shop Supplies	1.00

Hours: 1.00      Comm: 0.00      Labor: 73.00      Parts: 19.99      Total: 92.99

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**Palm Beach County Fleet Management Asset Maintenance History**  
**10200830 2016 FORD F450 Utility Body, 16,500 Gvwr, Heavy Duty Crane**

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**Work Order:** 2007250                      **Meter:** 35450                      **In Date:** 07/24/2020    **Closed:** 08/17/2020  
**Problem:** No power and smokes.

**Work Completed**

**Parts Issued**

**Quantity**

- Diagnose for hydraulic oil leak on exhaust.reseal oil tank joints and clean bed.

Clean-r-carb 20oz 1.00

Macs Chain Cable Lube 1.00

- Diagnose for no power and perform regen with scan tool to clean exhaust filter.

Permatex 1.00

Shop Supplies 1.00

- Shop Supplies

Hours: 7.00

Comm: 0.00

Labor: 511.00

Parts: 24.04

Total: 535.04

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**Palm Beach County Fleet Management Asset Maintenance History**  
**10200830 2016 FORD F450 Utility Body, 16,500 Gvwr, Heavy Duty Crane**

**Work Order:** 2008961      **Meter:** 36130      **In Date:** 09/04/2020      **Closed:** 09/28/2020  
**Problem:** PM Service.

**Work Completed**

- Pm Service.
- Service crane and outriggers.
- Replace four calipers,pads.service rotors and caliper slides.bleed system.
- Mount two tires with rims.rotate and balance six tires.
- Replace Led brake lamps
- Service Def system.
- Perform exhaust filter regeneration with scan tool and reset adaptives.
- Unseized and service vise.
- Test and clean both battery trays and hold downs.
- Clean engine compartment.
- Shop Supplies

**Parts Issued**

**Quantity**

Used Fire X Refurbished	1.00
Napagold Oil Filter	1.00
15w40 Bulk South Reg	14.00
Napagold Fuel Filter	1.00
Air Filter (gold), Air Panel	1.00
Washer Fluid Concentr	1.00
22" Wiper Blade	2.00
Aw68 Bulk Sr	5.00
Napa Hydraulic Filtr	1.00
B Fluid Dot 3-32oz	1.00
Non-chlor Brake Clnr	2.00
Ford Original Brake Pads	2.00
Brake Caliper	2.00
Brake Caliper	2.00
225-70r19.5 Mounted Endurance Rsa	2.00
Stt Lamp	2.00
Napagold Oil Filter	1.00
Shop Supplies	1.00
Tire Disposal Fee	2.00

Hours: 25.25

Comm: 0.00

Labor: 1,843.25

Parts: 1,737.76

Total: 3,581.01

**Work Order:** 2009800      **Meter:** 36862      **In Date:** 09/29/2020      **Closed:** 10/21/2020  
**Problem:** Has to jump start all the time.

**Work Completed**

- Test starting and charging system.both batteries failed load test after recharge.replace both batteries.
- Shop Supplies

**Parts Issued**

**Quantity**

Battery	2.00
Shop Supplies	1.00

Hours: 2.00

Comm: 0.00

Labor: 146.00

Parts: 291.61

Total: 437.61



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**Palm Beach County Fleet Management Asset Maintenance History**  
**10200830 2016 FORD F450 Utility Body, 16,500 Gvwr, Heavy Duty Crane**

**Work Order:** 2103902  
**Problem:** PM

**Meter:** 42777

**In Date:** 04/07/2021 **Closed:** 05/18/2021

**Work Completed**

- Pm Service
- Mount 4 Tires Rotate/balanced 6 Tires
- Pm Crane And Out Riggers
- Replace Left Out Rigger Foot Pad And Hardware
- Service And Inspect Def System
- Performed Exhaust Filter Regeneration And Reset Adaptives
- Replaced Damaged 6 Way Socket And Repaired Wiring Harness
- Service Vise And Replaced Damaged Handle
- Replaced Broken Pintle Pin
- Shop Supplies

**Parts Issued**

**Quantity**

15w40 Bulk South Reg	14.00
Napagold Oil Filter	1.00
Air Filter (gold), Air Panel	1.00
Napagold Fuel Filter	1.00
22" Wiper Blade	2.00
Washer Fluid Concentr	1.00
225-70r19.5 Fs561 Mounted	4.00
Aw68 Bulk Sr	5.00
Napa Hydraulic Filtr	1.00
Def Fluid 2.5	2.00
trailer plug	1.00
Wd-40	1.00
ridgid vise handle	1.00
Pedal Pad	1.00
Pintle Pin W/clip	1.00
Shop Supplies	1.00
Tire Disposal Fee	4.00

Hours: 15.00

Comm: 0.00

Labor: 1,095.00

Parts: 1,507.97

Total: 2,602.97

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**Palm Beach County Fleet Management Asset Maintenance History**  
**10200830 2016 FORD F450 Utility Body, 16,500 Gvwr, Heavy Duty Crane**

**Work Order:** 2109843      **Meter:** 48125      **In Date:** 09/13/2021      **Closed:** 09/23/2021  
**Problem:** PM Service.DEF needed.

**Work Completed**

- Preventive Maint. Service
- replaced both led brake lamps , both amber side marker lamps, and repaired wiring inside cabinets
- service crane and out riggers
- drill and tap out broken bolts on anti block lever assembly and replaced broken bolts,adjust to work properly
- fill and reset def gauge
- rotate/balanced 6 tires
- Shop Supplies

**Parts Issued**

**Quantity**

Napagold Fuel Filter	1.00
Washer Fluid Concentr	1.00
22" Wiper Blade	2.00
Napagold Oil Filter	1.00
15w40 Bulk South Reg	14.00
Air Filter (gold), Air Panel	1.00
Used Fire X Refurbished	1.00
Mac Battery Protect	1.00
Grommet Mount Kit	2.00
Right Angle S T Pgtl	2.00
Lamp	2.00
Aw68 Bulk Sr	5.00
Napa Hydraulic Filtr	1.00
Def Fluid 2.5	2.00
Shop Supplies	1.00

Hours: 11.00

Comm: 0.00

Labor: 803.00      Parts: 232.48      Total: 1,035.48

**Work Order:** 2201181      **Meter:** 52200      **In Date:** 02/02/2022      **Closed:** 02/11/2022  
**Problem:** Truck needs DEF

**Work Completed**

- Inspect and service Def system.
- Shop Supplies

**Parts Issued**

**Quantity**

Def Fluid 2.5	2.00
Shop Supplies	1.00

Hours: 0.50

Comm: 0.00

Labor: 36.50      Parts: 35.47      Total: 71.97



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**Palm Beach County Fleet Management Asset Maintenance History**  
**10200830 2016 FORD F450 Utility Body, 16,500 Gvwr, Heavy Duty Crane**

**Work Order:** 2206748      **Meter:** 57675      **In Date:** 06/27/2022      **Closed:** 06/28/2022  
**Problem:** Diesel exhaust fluid

**Work Completed**

- Inspect and service Def system. Tank low on fluid. Fill tank.
- Shop Supplies

Hours: 0.50

Comm: 0.00

**Parts Issued**

	<b>Quantity</b>
Def Fluid 2.5	2.00
Shop Supplies	1.00

Labor: 36.50      Parts: 43.04      Total: 79.54

**Work Order:** 2208317      **Meter:** 59315      **In Date:** 08/10/2022      **Closed:** 08/25/2022  
**Problem:** PM Service.

**Work Completed**

- Preventive Maint. Service
- replaced damaged vise handle and weld in place
- with scan tool performed exhaust filter regeneration fill def system and reset adaptives
- replaced both front rotors ,front and rear brake pads service calipers and slides
- mount 3 new tires rotate balanced 6 tires
- replaced damaged 6 way socket and repaired wiring harness
- R&r air filter housing to replace right front marker lamp
- diagnose light bar not working properly and repaired switch bank assy
- service crane and out riggers and repair two block stopping arm assy
- Shop Supplies

Hours: 24.25

Comm: 0.00

**Parts Issued**

	<b>Quantity</b>
Napagold Oil Filter	1.00
15w40 Bulk South Reg	14.00
Napagold Fuel Filter	1.00
Air Filter (gold), Air Panel	1.00
Washer Fluid Concentr	1.00
22" Wiper Blade	2.00
ridgid vise handle	1.00
Def Fluid 2.5	2.00
Rear Rotors	2.00
Ford Original Brake Pads	2.00
225/70r19.5 Mounted Gy Endurance	3.00
Used Fire X Refurbished	1.00
Non-chlor Brake Clnr	2.00
trailer plug	1.00
Aw68 Bulk Sr	5.00
Boxed Miniatures	2.00
Napa Hydraulic Filtr	1.00
Shop Supplies	1.00
Tire Disposal Fee	3.00

Labor: 1,770.25      Parts: 1,872.30      Total: 3,642.55

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**Palm Beach County Fleet Management Asset Maintenance History**  
**10200830 2016 FORD F450 Utility Body, 16,500 Gvwr, Heavy Duty Crane**

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**Work Order:** 2209886      **Meter:** 60575      **In Date:** 09/22/2022      **Closed:** 09/23/2022  
**Problem:** Battery does not hold a charge.

**Work Completed**

**Parts Issued**

**Quantity**

- Test starting and charging system.both batteries failed loadtest after recharge.replace both batteries.

Battery 2.00

Shop Supplies 1.00

- Shop Supplies

Hours: 2.00

Comm: 0.00

Labor: 146.00

Parts: 257.37

Total: 403.37

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**Work Order:** 2211408      **Meter:** 62415      **In Date:** 11/07/2022      **Closed:** 11/15/2022  
**Problem:** REAR PASSENGER TIRE IS FLAT

**Work Completed**

**Parts Issued**

**Quantity**

- Tires under crane has damage sidewalls.replace both tires with wheels.nirogen fill all.

225/70r19.5 Mounted Gy Endurance 2.00

Shop Supplies 1.00

- Shop Supplies

Tire Disposal Fee 2.00

Hours: 1.00

Comm: 0.00

Labor: 73.00

Parts: 948.18

Total: 1,021.18

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**Work Order:** 2211565      **Meter:** 62726      **In Date:** 11/04/2022      **Closed:** 11/15/2022  
**Problem:** Flat tire, Will not take air

**Work Completed**

- Tow From: 9691 Boca Gardens Circle N, Boca Raton 33496 To: 13026 South Jog Rd

Hours: 0.00

Comm: 124.30

Labor: 0.00

Parts: 0.00

Total: 124.30

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**Work Order:** 2212390      **Meter:** 63778      **In Date:** 12/12/2022      **Closed:** 12/30/2022  
**Problem:** Need DEF.Light bar not working

**Work Completed**

**Parts Issued**

**Quantity**

- Inspect and add Def fluid.

Def Fluid 2.5 2.00

- Diagnose for light bar inop.found inline fuse holder overheated.replace inline fuse holder.

Fuse Holder 1.00

Shop Supplies 1.00

- Shop Supplies

Hours: 1.25

Comm: 0.00

Labor: 91.25

Parts: 53.87

Total: 145.12

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**Work Order:** 2300490      **Meter:** 65008      **In Date:** 01/17/2023      **Closed:** 02/09/2023

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**Palm Beach County Fleet Management Asset Maintenance History**  
**10200830 2016 FORD F450 Utility Body, 16,500 Gvwr, Heavy Duty Crane**

**Problem:** PM Service.On 02/06/23 operator said hit curb and damage rear left wheel and tire.

**Work Completed**

- Preventive Maint. Service
- crane is inoperative service crane and out riggers and repaired electrical ground to module
- mount 2 new tires w/rims rotate and balanced 6 tires.on 02/06/23 install one new tire and wheel left rear.
- replaced both ac vents on driver's side
- replaced leaking washer fluid tank/battery tray assy. transfer all parts to new one fill and check for leaks
- replaced leaking transmission pan gasket and service fluid
- diagnose oil leaks replace oil cooler w/new seals. reseal lower oil pan gasket. and replaced crank case vent valve assy (c v v assy) clean off engine oil residue
- performed coolant flush service fill and bleed system
- performed exhaust filter regeneration. fill Def fluid tank
- Shop Supplies

**Parts Issued**

**Quantity**

Napagold Oil Filter	1.00
15w40 Bulk South Reg	14.00
Washer Fluid Concentr	1.00
22" Wiper Blade	2.00
Fuel Filter Kit	1.00
Air Filter (gold), Air Panel	1.00
Aw68 Bulk Sr	5.00
Napa Hydraulic Filtr	1.00
225/70r19.5 Mounted Gy Endurance	3.00
A/c Vent	2.00
Hose	1.00
Seal	1.00
Washer Pump	1.00
Tray Asy	1.00
Syn Atf Bulk South	8.00
trans pan gasket	1.00
Gasket	1.00
Gasket	1.00
Non-chlor Brake Clnr	1.00
Separator	1.00
Px Grey Rtv Silicone	1.00
Gasket	1.00
Oil Cooler	1.00
Coolent	3.00
Def Fluid 2.5	2.00
19.5 Rim	1.00
Shop Supplies	1.00
Tire Disposal Fee	3.00

Hours: 24.00

Comm: 0.00

Labor: 1,752.00

Parts: 2,715.83

Total: 4,467.83

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**Palm Beach County Fleet Management Asset Maintenance History**  
**10200830 2016 FORD F450 Utility Body, 16,500 Gvwr, Heavy Duty Crane**

**Work Order:** 2304021      **Meter:** 68421      **In Date:** 04/24/2023      **Closed:** 04/27/2023  
**Problem:** rear passenger tire flat.

**Work Completed**

- Replace damage right rear tire & rim.
- Shop Supplies

**Parts Issued**

**Quantity**

Wheel Assy	1.00
225/70r19.5 Mounted Gy Endurance	1.00
Shop Supplies	1.00
Tire Disposal Fee	1.00

Hours: 1.00

Comm: 0.00

Labor: 73.00

Parts: 800.14

Total: 873.14

**Work Order:** 2305762      **Meter:** 70415      **In Date:** 06/09/2023      **Closed:** 06/29/2023  
**Problem:** PM Service.

**Work Completed**

- Preventive Maint. Service
- Service Crane And Out Riggers
- Diagnose Crane Stops Working R&r Power Contact Pivot Plate Assy.clean Contact Points Replaced Rusted Hydraulic Pipe Extenders And Repaired Wiring.
- Vise Damaged Repaired Bumper And Bent Vise Handle
- Replaced Missing Pintle Pin W/chain And Tighten Loose Hitch Ball
- Scan Check Engine Light For Codes. Dtc P2002 Present. Performed Dpf Regeneration And Top Off Def Fluid. Test drive to verify code does not return.
- Rotate Balanced 6 Tires
- Shop Supplies

**Parts Issued**

**Quantity**

Used Fire X Refurbished	1.00
Air Filter (gold), Air Panel	1.00
15w40 Bulk South Reg	14.00
Napagold Oil Filter	1.00
Fuel Filter	1.00
Washer Fluid Concentr	1.00
22" Wiper Blade	2.00
13 Oz Aero Kroil	1.00
Napa Hydraulic Filtr	1.00
Aw68 Bulk Sr	5.00
Pintle Pin W/clip	1.00
Threaded Pipe	2.00
Shop Supplies	1.00

Hours: 18.75

Comm: 0.00

Labor: 1,368.75

Parts: 202.76

Total: 1,571.51

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**Palm Beach County Fleet Management Asset Maintenance History**  
**10200830 2016 FORD F450 Utility Body, 16,500 Gvwr, Heavy Duty Crane**

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**Work Order:** 2306741      **Meter:** 70889      **In Date:** 07/10/2023      **Closed:** 07/12/2023  
**Problem:** need to jump start truck every morning

**Work Completed**

- Battery. Have to jump start vehicle. Fully charge batteries and disconnect from truck. Test batteries individually. Batteries failed load tests. Remove and replace both Batteries with new. Clean onnections.

<b>Parts Issued</b>	<b>Quantity</b>
Battery	2.00
Shop Supplies	1.00

- Shop Supplies

Hours: 2.00      Comm: 0.00      Labor: 146.00      Parts: 253.30      Total: 399.30

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**Work Order:** 2310450      **Meter:** 74642      **In Date:** 10/17/2023      **Closed:** 10/24/2023  
**Problem:** DEF needed

**Work Completed**

- Add Def Fluid.  
- Shop Supplies

<b>Parts Issued</b>	<b>Quantity</b>
Def Fluid 2.5	2.00
Shop Supplies	1.00

Hours: 0.25      Comm: 0.00      Labor: 18.25      Parts: 46.76      Total: 65.01

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**Work Order:** 2310860      **Meter:** 75565      **In Date:** 10/27/2023      **Closed:** 11/28/2023  
**Problem:** PM Service.

**Work Completed**

- Preventive Maint. Service  
- service crane and outriggers  
- diagnose engine has blow by .replaced crank case ventilator/oil separator assy clean off oil residue  
- removed vise and repaired damages to rear bumper and vise pedestal .paint with anti skid coating  
- rotate balanced 6 tires  
- Shop Supplies

<b>Parts Issued</b>	<b>Quantity</b>
Napagold Oil Filter	2.00
15w40 Bulk South Reg	28.00
Washer Fluid Concentr	2.00
22" Wiper Blade	4.00
Air Filter (gold), Air Panel	2.00
Macs Chain Cable Lube	2.00
Napa Hydraulic Filtr	2.00
Drain Plug	1.00
Fuel Filter Kit	1.00
Separator	1.00
Shop Supplies	1.00

Hours: 13.50      Comm: 0.00      Labor: 985.50      Parts: 426.67      Total: 1,412.17

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**Palm Beach County Fleet Management Asset Maintenance History**  
**10200830 2016 FORD F450 Utility Body, 16,500 Gvwr, Heavy Duty Crane**

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**Work Order:** 2311735      **Meter:** 76200      **In Date:** 11/27/2023      **Closed:** 12/21/2023

**Problem:** A/C is not working properly. Send to Ford for clock spring recall/P2002 code.

**Work Completed**

- C/s A/c not working, diagnose & found leaking evaporator, evacuate system, remove dash board, wheel well, battery, replace evaporator, high & low side Schrader valves, vacuum, recharge & test for leaks.
- Recall: Safety Recall 22s35 Dust contamination in clockspring causing air bag light. See Attatchments. Drive To Grieco Ford In Delray Beach For Warranty Repairs. x2
- Remove & reinstall wire harness for crane & light bar to remove dash board.
- Shop Supplies

**Parts Issued**

**Quantity**

Ester Oil Uv	1.00
Non-chlor Brake Clnr	1.00
Evaporator Core	1.00
Kit O	1.00
High Side Schrader Valve	1.00
Cap	1.00
Valve	1.00
Freon Sr Shop	2.00
Shop Supplies	1.00

Hours: 15.00

Comm: 0.00

Labor: 1,095.00

Parts: 425.20

Total: 1,520.20

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**Work Order:** 2401307      **Meter:** 77705      **In Date:** 02/05/2024      **Closed:** 02/06/2024

**Problem:** Need DEF

**Work Completed**

- Add Def fluid.

Hours: 0.25

Comm: 0.00

Labor: 18.25

Parts: 0.00

Total: 18.25

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**Palm Beach County Fleet Management Asset Maintenance History**  
**10200830 2016 FORD F450 Utility Body, 16,500 Gvwr, Heavy Duty Crane**

**Work Order:** 2403880      **Meter:** 80870      **In Date:** 04/19/2024      **Closed:** 05/21/2024  
**Problem:** PM Service. brakes making noise. window tint peeling

**Work Completed**

**Parts Issued**

**Quantity**

- Preventive Maint. Service
- Remove both front window tints and clean glue residue. Transport to Tint World In Boynton for front window tints.
- service crane and out riggers
- Cel light on for high silt levels. Use ids to perform parked dpf regeneration and reset adaptives .filled def fluid level. Use lds to clear codes. Test drive after repairs.
- rotate balanced 6 tires and nitro filled to specs
- Shop Supplies

Used Fire X Refurbished	1.00
Washer Fluid Concentr	1.00
Wiper Blade	2.00
Fuel Filter	1.00
Napagold Oil Filter	1.00
15w40 Bulk South Reg	15.00
Air Filter (gold), Air Panel	1.00
Non-chlor Brake Clnr	2.00
Napa Hydraulic Filtr	1.00
Aw68 Bulk Sr	5.00
Def Fluid 2.5	2.00
Tint 10200830	1.00
Shop Supplies	1.00

Hours: 10.25      Comm: 0.00      Labor: 748.25      Parts: 456.11      Total: 1,204.36

**Work Order:** 2406708      **Meter:** 83425      **In Date:** 07/11/2024      **Closed:** 07/12/2024  
**Problem:** LOUD POP SOUND CAME FROM ENGINE COMPARTMENT, LOST ALL POWER.

**Work Completed**

**Parts Issued**

**Quantity**

- Turbo scorpion tube failed blew off inlet.replace scorpion inlet tube and perform manual Dpf regen to clean exhaust system. Test drive after to ensure fix.
- Shop Supplies

Tube - Outlet	1.00
Shop Supplies	1.00

Hours: 3.00      Comm: 0.00      Labor: 219.00      Parts: 223.27      Total: 442.27

**Work Order:** 2407194      **Meter:** 84107      **In Date:** 07/26/2024      **Closed:** 07/31/2024  
**Problem:** needs DEF

**Work Completed**

**Parts Issued**

**Quantity**

- Add Def Fluid
- Shop Supplies

Blue Df	2.00
Shop Supplies	1.00

Hours: 0.25      Comm: 0.00      Labor: 18.25      Parts: 34.73      Total: 52.98

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**Palm Beach County Fleet Management Asset Maintenance History**  
**10200830 2016 FORD F450 Utility Body, 16,500 Gvwr, Heavy Duty Crane**

**Work Order:** 2408536      **Meter:** 85902      **In Date:** 09/04/2024      **Closed:** 01/07/2025  
**Problem:** PM Service.

**Work Completed**

- Preventive Maint. Service
- service crane and out riggers
- Diagnose light bar inoperative. Disassemble light bar assembly. Found and replaced failed circuit I/o board. Verified repairs.
- Diagnose 6-way socket charging power circuit. Found open circuit at fuse #90. Replaced 25amp fuse verified repairs
- P.t.o. pressure hose leaking. Replaced hose cleaned off residue. Topped off transmission fluid level. Verified repairs.
- mount and balanced 6 tires with rims
- replaced front and rear brake pads service rotors calipers and slides
- performed dpf regeneration reset adaptives and filled def fluid level
- Removed front grill to replace both front side marker lamps
- Shop Supplies

**Parts Issued**

**Quantity**

15w40 Bulk South Reg	15.00
Napagold Oil Filter	1.00
Wiper Blade	2.00
Washer Fluid Concentr	1.00
Air Filter (gold), Air Panel	1.00
Fuel Filter	1.00
Aw68 Bulk Sr	5.00
Napa Hydraulic Filter	1.00
225/70r19.5 Mounted Gy Endurance	6.00
Brake Pads	2.00
Def Fluid 2.5	2.00
Boxed Miniatures	1.00
I/o Board - Liberty li	1.00
Shop Supplies	1.00
Tire Disposal Fee	6.00

Hours: 22.00

Comm: 0.00

Labor: 1,606.00

Parts: 3,536.85

Total: 5,142.85

**Work Order:** 2410682      **Meter:** 87496      **In Date:** 11/06/2024      **Closed:** 11/07/2024  
**Problem:** Batteries are not holding charge

**Work Completed**

- Fully recharge & test both batteries, both failed the load test, replace batteries.
- Shop Supplies

**Parts Issued**

**Quantity**

Battery	2.00
Shop Supplies	1.00

Hours: 1.75

Comm: 0.00

Labor: 127.75

Parts: 374.58

Total: 502.33



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**Palm Beach County Fleet Management Asset Maintenance History**  
**10200830 2016 FORD F450 Utility Body, 16,500 Gvwr, Heavy Duty Crane**

**Work Order:** 2506494      **Meter:** 96376      **In Date:** 07/15/2025      **Closed:** 08/13/2025  
**Problem:** PM Service.

**Work Completed**

- Preventive Maint. Service
- service crane & outriggers.
- Ck engine light is on, scan, cade P20ba, diagnose & found bad reductant heater. remove & replace reductant heater, service Def system, perform Dpf regeneration, reset adaptive & clear codes.
- Remove left battery hold down bracket, clean corrosion form battery box, hold down & repaint.
- Remove front grill, left head light & repair strobe light
- Replace both windshield washer nozzle & hose. replace steering wheel cover & brake pedal cover.
- Replace missing left side view mirror.
- Replace & rewire back alarm.
- Test drive after repair to verify vehicle operate as designed.
- Fill tires with nitrogen, balance & rotate.
- Shop Supplies

**Parts Issued**

**Quantity**

Washer Fluid Concentr	1.00
Wiper Blade	2.00
15w40 Bulk South Reg	15.00
Napagold Oil Filter	1.00
Fuel Filter	1.00
Aw68 Bulk Sr	5.00
Napagold Oil Filter	1.00
Napa Hydraulic Filter	1.00
Blue Df	2.00
Blk/ct	1.00
Washer Jet	2.00
Hose Wacher	1.00
Mirroe glass	1.00
Reservoir	1.00
Steering Wheel Cover Large	1.00
Brake Pedal Pad	1.00
Alarm	1.00
Macs Chain Cable Lube	2.00
Napa Hydraulic Filtr	1.00
Shop Supplies	1.00

Hours: 15.00

Comm: 0.00

Labor: 1,095.00

Parts: 757.22

Total: 1,852.22

**Work Order:** 2508050      **Meter:** 97037      **In Date:** 08/26/2025      **Closed:** 09/10/2025  
**Problem:** DEF needed

**Work Completed**

**Parts Issued**

**Quantity**

- Add Def Fluid
- Shop Supplies

Blue Df	1.00
Shop Supplies	1.00

Hours: 0.50

Comm: 0.00

Labor: 36.50

Parts: 18.10

Total: 54.60

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**Palm Beach County Fleet Management Asset Maintenance History**  
**10200830 2016 FORD F450 Utility Body, 16,500 Gvwr, Heavy Duty Crane**

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**Work Order:** 2509053      **Meter:** 98206      **In Date:** 09/24/2025      **Closed:** 09/30/2025  
**Problem:** windshield wipers won't shut off

**Work Completed**

**Parts Issued**

**Quantity**

- Diagnose for wiper wont turn off.pinpoint test and replace wiper multifunction switch.

Wiper Switch 1.00

Switch Asy 1.00

- Shop Supplies

Shop Supplies 1.00

Hours: 1.00

Comm: 0.00

Labor: 73.00

Parts: 151.13

Total: 224.13

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**Work Order:** 2509440      **Meter:** 98380      **In Date:** 10/06/2025      **Closed:** 10/07/2025  
**Problem:** Missing diesel gas cap. Need new one please.

**Work Completed**

**Parts Issued**

**Quantity**

- Diesel fuel cap missing. Replace fuel cap with new.

fuel cap green 1.00

Hours: 0.25

Comm: 0.00

Labor: 18.25

Parts: 21.14

Total: 39.39

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**Work Order:** 2511458      **Meter:** 100634      **In Date:** 12/10/2025      **Closed:** 12/16/2025  
**Problem:** front passenger tire is flat.

**Work Completed**

**Parts Issued**

**Quantity**

- Confirm tire not repairable.replace tire with wheel.

225/70r19.5 Mounted Gy Endurance 1.00

- Shop Supplies

Shop Supplies 1.00

Tire Disposal Fee 1.00

Hours: 0.50

Comm: 0.00

Labor: 36.50

Parts: 465.02

Total: 501.52

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**Work Order:** 2511612      **Meter:** 100743      **In Date:** 12/15/2025      **Closed:** 12/15/2025  
**Problem:** Transition Prep Charge

**Work Completed**

- Transition Prep Charge

Hours: 2.00

Comm: 0.00

Labor: 146.00

Parts: 0.00

Total: 146.00

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**Total Hours: 365.25**

**Total Labor: 25,649.00**

**Total Comm: 4,821.62**

**Total Parts: 25,248.74**