

2/29/2024
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Palm Beach County Fleet Management Asset Maintenance History
10202000 2016 BOBCAT T870T4 Skid Steer Loader, Tracked

Total Hours: 612.00 Labor: 41,647.00 Parts: 72,265.44 Comm: 35,691.54 Charged: 149603.98

Work Order: 1607370 **Meter:** 3 **In Date:** 07/19/2016 **Closed:** 07/19/2016
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

Work Order: 1607378 **Meter:** 3 **In Date:** 07/19/2016 **Closed:** 08/16/2016
Problem: Install Grinder

Work Completed

- Install stump grinder. replace wiring harness from Bobcat to grinder.
rewire to work with new mulching unit

- add Def

- Shop Supplies

Parts Issued

Quantity

Def Quart	1.00
Cable Tie	1.00
Cable Tie	1.00
Paint Pen - White	1.00
Paint Pen - Pellow	1.00
Shop Supplies	1.00

Hours: 14.50 Comm: 0.00 Labor: 870.00 Parts: 23.98 Total: 893.98

Work Order: 1609894 **Meter:** 57 **In Date:** 09/22/2016 **Closed:** 11/02/2016
Problem: PM

Work Completed

- Def

- Pm

- Top off hyd. oil

- Remove debree from engine compartment and exast

- Test run

- Shop Supplies

Parts Issued

Quantity

Def Bulk Qts	15.00
Water Separator	1.00
Oil Filter	1.00
Inner Air Filter	1.00
air filter	1.00
15-40 Oil	13.00
htd filter	1.00
air filter	1.00
cabin air	1.00
Shop Supplies	1.00

Hours: 9.50 Comm: 0.00 Labor: 570.00 Parts: 597.29 Total: 1,167.29

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Palm Beach County Fleet Management Asset Maintenance History
10202000 2016 BOBCAT T870T4 Skid Steer Loader, Tracked

Work Order: 1701301
Problem: Hyd. Leak

Meter: 108

In Date: 02/08/2017 **Closed:** 03/07/2017

Work Completed

- Resealed attachment
- Top off oil
- Def
- Replaced wiper assembly
- Install rubber mounts for presure guage
- Shop Supplies

Parts Issued

Quantity

ring	1.00
ring	1.00
seal	1.00
screw	3.00
lock washer	3.00
wiper blade	1.00
screw	1.00
wiper arm assy	1.00
nut	1.00
nut	1.00
stud	1.00
nut	1.00
Slide Terminal	1.00
elbow	1.00
hex nut	1.00
Def Bulk Qts	8.00
Aw68 Hydro Fluid Hydr	8.00
Shop Supplies	1.00
Freight Charge	1.00

Hours: 12.00

Comm: 0.00

Labor: 720.00

Parts: 561.58

Total: 1,281.58

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10202000 2016 BOBCAT T870T4 Skid Steer Loader, Tracked

Work Completed

- Pm
- Def
- winch cable and winch repair
- check system for leaks. coolant service
- R&r exhaust system and check doser valve and replace
- R&r egr cooler. egr assembly, hoses and cooling fan
- Shop Supplies

Parts Issued

Quantity

Inner Air Filter	1.00
air filter	1.00
Oil Filter	1.00
cabin air	1.00
15-40 Oil	13.00
Water Separator	1.00
htd filter	1.00
Hydraulic Filter	1.00
wiper blade	1.00
air filter	2.00
Blue Df	2.00
winch tie rod	3.00
warn wire rope assy	1.00
mako fitting	1.00
coolent	1.00
Cap	1.00
Hw Pigmat 15x20 100ct	1.00
Quality Htr Hose	15.00
coolent	3.00
dosing module	1.00
gasket	1.00
gasket	2.00
egr valve	1.00
gasket	1.00
hose	1.00
egr cooler	1.00
hose	1.00
hose	1.00
gasket	1.00
gasket	2.00

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Parts Issued	Quantity
bolt	2.00
bolt	2.00
Shop Supplies	1.00
Freight Charge	1.00
Freight Charge	1.00
Freight Charge	1.00

Hours: 56.00 Comm: 0.00 Labor: 3,360.00 Parts: 6,337.49 Total: 9,697.49

Work Order: 1803191 **Meter:** 301 **In Date:** 03/27/2018 **Closed:** 03/28/2018
Problem: DEF

Work Completed

Parts Issued	Quantity
Blue Df	2.00
Shop Supplies	1.00

- Def
- Shop Supplies

Hours: 0.50 Comm: 0.00 Labor: 30.00 Parts: 29.12 Total: 59.12

Work Order: 1804353 **Meter:** 321 **In Date:** 04/26/2018 **Closed:** 06/11/2018
Problem: Overheating

Work Completed

Parts Issued	Quantity
Gasket	2.00
Coolent Exchanger	1.00
Air Hose	1.00
coolent	6.00
Aw68 Hydro Fluid Hydr	20.00
Shop Supplies	1.00
Freight Charge	1.00
Freight Charge	1.00
Freight Charge	1.00

- unit overheating. found radiator clogged and intercooler. evac ac system and remove exhaust system. replace cooler assembly
- couple and uncouple attachments
- degrease engine bay
- long test drive
- Shop Supplies

Hours: 39.50 Comm: 0.00 Labor: 2,370.00 Parts: 1,973.06 Total: 4,343.06

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Palm Beach County Fleet Management Asset Maintenance History
10202000 2016 BOBCAT T870T4 Skid Steer Loader, Tracked

Work Order: 1809098

Meter: 348

In Date: 09/05/2018 **Closed:** 01/03/2019

Problem: pm/overheat hyd

Work Completed

- Pm
- Def
- Test run
- Run machine to make overheat, test guages
- Ac
- Wash coolers
- Add coolant and presure test
- Pulled tracks and rebuilt idlers
- Shop Supplies

Parts Issued

Quantity

15-40 Oil	13.00
wiper blade	1.00
Hydraulic Filter	1.00
Water Separator	1.00
cabin air	1.00
Oil Filter	1.00
air filter	1.00
Inner Air Filter	1.00
Blue Df	2.00
air filter	2.00
Ford Gra	2.00
Track Rubber	2.00
Front Idler	3.00
Roller	8.00
Sprocket	2.00
Bolt	16.00
Nut	16.00
Bolt	4.00
Washer	20.00
14.1 Ozmap-procyl	1.00
Tx-504	1.00
Rear Idler	4.00
Seal	1.00
Brush	2.00
Shop Supplies	1.00
Freight Charge	1.00

Hours: 51.00

Comm: 0.00

Labor: 3,417.00

Parts: 17,042.75

Total: 20,459.75

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Problem: def and hyd fluid

Work Completed

- Def 2xs
- Add Hyd. Oil
- Top off coolant
- Replace attachment wiring harness
- Replace door glass
- Wash
- Pm
- Rebuild wdg lock cylinders
- Diagnost overheating tested coolant for exast gases
- Test run over heating
- Shop Supplies

Parts Issued

Quantity

Blue Df	3.00
Aw68 Hydro Fluid Hydr	10.00
1gal Rtu Antifreeze	2.00
Rivet	1.00
Harness	1.00
Mount	1.00
Bolt	8.00
Window Kit	1.00
15-40 Oil	13.00
Oil Filter	1.00
Water Separator	1.00
htd filter	1.00
cabin air	1.00
Inner Air Filter	1.00
air filter	1.00
Aw68 Hydro Fluid Hydr	30.00
New Pig	1.00
Spring Gas Door	1.00
Seal Kit	1.00
Permatex	1.00
Eng Cover Side Kit	1.00
door seal	1.00
Hyd Pump	1.00
Hyd Fitting	1.00
fitting	1.00
Cap	1.00
Shop Supplies	1.00
Freight Charge	1.00

Hours: 32.50

Comm: 0.00

Labor: 2,372.50

Parts: 9,584.13

Total: 11,956.63

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Palm Beach County Fleet Management Asset Maintenance History
10202000 2016 BOBCAT T870T4 Skid Steer Loader, Tracked

Work Order: 2005091

Meter: 479

In Date: 05/20/2020 **Closed:** 07/10/2020

Problem: PM/ Codes

Work Completed

- Pm
- Pulled codes low on oil, Do to hyd. leak
- Service Ac
- Replace door switch and adjust
- Replace Ls drive motor as it was leaking
- Chipper door did'nt work. Replaced all wirring on attachment, Replaced and wired control module
- Cut chain for chipper door and add hardware
- Refill with hyd. oil
- Wash
- Test run
- Shop Supplies

Parts Issued

Quantity

15-40 Oil	13.00
Oil Filter	1.00
air filter	1.00
Inner Air Filter	1.00
Hyd/fil	1.00
Water Separator	1.00
air filter	2.00
cabin air	1.00
wiper blade	1.00
hyd filter	1.00
Used Fire X Refurbished	1.00
Drive Motor	1.00
Harness	1.00
Electrical Tape	1.00
Controller	1.00
Bulk Trailer Wire	6.00
Non-chlor Brake Clnr	4.00
Aw68 Hydro Fluid Hydr	30.00
Shop Supplies	1.00

Hours: 51.50

Comm: 0.00

Labor: 3,759.50

Parts: 7,116.48

Total: 10,875.98

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Palm Beach County Fleet Management Asset Maintenance History
10202000 2016 BOBCAT T870T4 Skid Steer Loader, Tracked

Work Order: 2100261 **Meter:** 503 **In Date:** 01/08/2021 **Closed:** 02/08/2021
Problem: Leaky hydraulic line. PM Service

Work Completed

- Preventive Maint. Service
- Removed and replaced damaged hydraulic lines going thru the right side boom to the bob-tach cylinder
- To Mako
- Removed and replaced damaged/leaking bob-tach wedge cylinder.
- Test Run
- Added Def
- Shop Supplies

Parts Issued

Quantity

Power Bobtach	1.00
Hose Made Mako	1.00
15w40 serv truck	13.00
Oil Filter	1.00
cabin air	1.00
air filter	1.00
Inner Air Filter	1.00
air filter	1.00
Water Separator	1.00
Used Fire X Refurbished	1.00
htd filter	1.00
hyd filter	1.00
Hydraulic Filter	1.00
wiper blade	1.00
Service Aw68	16.00
Blue Df	1.00
Shop Supplies	1.00

Hours: 16.00

Comm: 0.00

Labor: 1,168.00

Parts: 2,272.41

Total: 3,440.41

Work Order: 2101394 **Meter:** 503 **In Date:** 02/05/2021 **Closed:** 02/08/2021
Problem: MO217 Code. Thank you

Work Completed

- Operator states oil filter clogged code comes on when unit is cold. Inspect unit and found no issues. Ambient temps when code came on near freezing. Cold oil likely cause.
- Test run
- Shop Supplies

Parts Issued

Quantity

Shop Supplies	1.00
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Hours: 2.50

Comm: 0.00

Labor: 182.50

Parts: 4.00

Total: 186.50

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Palm Beach County Fleet Management Asset Maintenance History
10202000 2016 BOBCAT T870T4 Skid Steer Loader, Tracked

Work Order: 2101510 **Meter:** 503 **In Date:** 02/09/2021 **Closed:** 02/25/2021
Problem: Work order to heavy equipment mulcher head has a hydraulic leak and still sending code. Thank you

Work Completed

Parts Issued

Quantity

- Replace Leaking Hyd hose and fittings on Mulcher
- Add Hyd Oil to system
- Wash Mulcher unit before, and after repairs
- Test System Operation
- To Mako Hose
- Shop Supplies

Hose Made Mako	1.00
Aw68 Hydro Fluid Hydr	20.00
Shop Supplies	1.00

Hours: 8.00 Comm: 0.00 Labor: 584.00 Parts: 171.24 Total: 755.24

Work Order: 2102186 **Meter:** 503 **In Date:** 02/25/2021 **Closed:** 03/05/2021
Problem: Repairs by Bobcat

Work Completed

Parts Issued

Quantity

- Hydraulic & Pressure Sys
- Shop Supplies

Parts And Service	1.00
Shop Supplies	1.00

Hours: 0.00 Comm: 0.00 Labor: 0.00 Parts: 755.74 Total: 755.74

Work Order: 2103778 **Meter:** 503 **In Date:** 04/02/2021 **Closed:** 06/28/2021
Problem: Hyd over heating

Work Completed

Parts Issued

Quantity

- hyd oil overheating, found hyd oil level love not o sight glass. topped off hyd oil
- wash out coolers. order radiator gaurd
- wash dirt out of tracks
- to and from Erm lot
- Shop Supplies

Aw68 Hydro Fluid Hydr	20.00
Exchang Screen	1.00
Shop Supplies	1.00

Hours: 4.00 Comm: 0.00 Labor: 292.00 Parts: 644.46 Total: 936.46

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Palm Beach County Fleet Management Asset Maintenance History
10202000 2016 BOBCAT T870T4 Skid Steer Loader, Tracked

Work Order: 2110618 **Meter:** 503 **In Date:** 09/30/2021 **Closed:** 10/22/2021

Problem: It was giving an active warning for hydrostatic/hydraulic filter clogged./ M0317 code

Work Completed

- Inspected For Issues No Codes Found Replaced Main Hydraulic Filter
- Found Entry Door Hard To Close Causing System Shut Down For Hydraulics Adjusted Latch And Striker For Door
- Performed Extended Road Test Testing All Systems All Work As Designed
- Shop Supplies

Parts Issued

Quantity

Hyd Filter	1.00
Shop Supplies	1.00

Hours: 4.50 Comm: 0.00 Labor: 328.50 Parts: 93.32 Total: 421.82

Work Order: 2112096 **Meter:** 503 **In Date:** 11/09/2021 **Closed:** 11/12/2021

Problem: Mulcher is sending codes - M1210. M1211. mulcher is sending codes. > M1210. M1211. mulcher is sending codes. > M1210.

Work Completed

- Code M1210,m1211 Intake Air Box came undone causing Dtc secure air box and clear Dtc. No parts Bill
- Shop Supplies

Parts Issued

Quantity

Shop Supplies	1.00
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Hours: 1.00 Comm: 0.00 Labor: 73.00 Parts: 2.65 Total: 75.65

Work Order: 2112915 **Meter:** 503 **In Date:** 12/07/2021 **Closed:** 02/11/2022

Problem: Bobcat is in shutdown mode at Delaware scrub.

Work Completed

- Replace belt and tensioner for hydraulic pump motor. Remove battery and engine flywheel in order to access. Shave frame in order to remove tensioner bolt.
- To Delaware scrub park. 3x
- Repair all wiring damaged by hydraulic pump belt/tensioner. Replace Def dosing unit connector and harness. Repair coolant temp sensor harness. Lift cab and remove all access panels from under cab and from under tracks.
- Order keys
- Shop Supplies

Parts Issued

Quantity

Drive Belt	1.00
Wheel	1.00
Tensioner	1.00
Belt	1.00
Belt Idler Ten	1.00
Def Mount Tank Kit	1.00
key 10	2.00
Electrical Tape	1.00
Shop Supplies	1.00
Freight Charge	1.00

Hours: 31.00 Comm: 0.00 Labor: 2,263.00 Parts: 1,045.61 Total: 3,308.61

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Palm Beach County Fleet Management Asset Maintenance History
10202000 2016 BOBCAT T870T4 Skid Steer Loader, Tracked

Work Order: 2203769
Problem: Hyd. Oil

Meter: 503

In Date: 04/07/2022 **Closed:** 04/11/2022

Work Completed

- Operator States hydraulic fluid low on sight gauge inspected for leaks found none at this time. topped off machine.
- Shop Supplies

Parts Issued

	Quantity
Hydraulic Fluid	1.00
Shop Supplies	1.00

Hours: 2.00

Comm: 0.00

Labor: 146.00

Parts: 71.71

Total: 217.71

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Palm Beach County Fleet Management Asset Maintenance History
10202000 2016 BOBCAT T870T4 Skid Steer Loader, Tracked

Work Order: 2205194

Meter: 503

In Date: 05/16/2022 **Closed:** 10/11/2022

Problem: PM Service.

Work Completed

- Preventive Maint. Service
- fill def
- he shop
- road tested
- replace fire extinguisher
- replace missing lift arm support
- Shop Supplies

Parts Issued

Quantity

15-40 Oil	13.00
Oil Filter Replacing 7012303	1.00
Fuel Filter	1.00
Inner Air Filter	1.00
air filter	1.00
cabin air	1.00
air filter	2.00
Cap, Hyd Oill	1.00
htd filter	1.00
hyd filter	1.00
Hyd/fil	1.00
Cable Tie	1.00
Motor Tune-up 16oz	1.00
wiper blade	1.00
Blue Df	2.00
Used Fire X Refurbished	1.00
Lift Support	1.00
Safety Nut	2.00
Bolt	2.00
Nut	2.00
Shop Supplies	1.00

Hours: 9.00

Comm: 0.00

Labor: 657.00

Parts: 1,070.16

Total: 1,727.16

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Palm Beach County Fleet Management Asset Maintenance History
10202000 2016 BOBCAT T870T4 Skid Steer Loader, Tracked

Work Order: 2208583 **Meter:** 698 **In Date:** 08/17/2022 **Closed:** 12/15/2022

Problem: Machine is leaking hydraulic oil. The machine is on the wash rack at fleet.

Work Completed

- hyd leak - found L side drive motor leaking. remove and replace drive motor. r&r track to access. add fluid.
- coolant reservoir dry rot - replace tank and cap.
- wash out tracks for repair
- front and rear cab safety glass unable to see through - replace both assys
- pm
- svc a/c. repair air box inlet. reseal. wash out evap. and heater core
- add Def
- adjust tracks. check final drives fluid ok
- 2 pins on boom not taking grease. remove pins and clear clog. clean and smooth pins and bushings. ok now
- test run
- Shop Supplies

Parts Issued

Quantity

Hyd Drive Motor	1.00
15-40 Oil	13.00
Oil Filter Replacing 7012303	1.00
air filter	1.00
Fuel Filter	1.00
Inner Air Filter	1.00
htd filter	1.00
hyd filter	1.00
wiper blade	1.00
Used Fire X Refurbished	1.00
cabin air	1.00
air filter	2.00
Blue Df	1.00
Aw68 Hydro Fluid Hydr	50.00
Aw68 Hydro Fluid Hydr	16.00
Cap	1.00
Tank	1.00
Decal	1.00
Window Kit	1.00
Window Kit	1.00
Shop Supplies	1.00
Freight Charge	1.00

Hours: 33.00

Comm: 0.00

Labor: 2,409.00

Parts: 10,022.19

Total: 12,431.19

Work Order: 2300080 **Meter:** 714 **In Date:** 01/04/2023 **Closed:** 02/21/2023

Problem: Front step needs replaced also bottom of windshield needs new bolts and please check door hinges.(wobbly).

Work Completed

- front step broke - replace step and bracket. bend mount straight.

Parts Issued

Quantity

Aw68 Hydro Fluid Hydr	20.00
Belt Alt	1.00

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- replace broke hardware for front glass.
- repair reweld paint broke wiper guard; rust repair door bottom. replace broke wiper arm. repair wiper motor and cover. replace door hinge assys.
- hyd leak - lift cyl. R side leaking. remove cyl. and reseal. reinstall cyl
- pin for winch swing mount missing - fab up replacement
- hyd leak at quick connects - replace all 3 machine side. top off oil
- replace damaged serp. belt
- belt noise - found a/c compressor bolts broke off belt out of place. remove covers, compressor and mounting bracket. drill and tap bolt holes new hardware
- Shop Supplies

Parts Issued	Quantity
Step Lift Arm	1.00
Safety Nut	2.00
Bracket	1.00
Bolt	24.00
Spring	2.00
Door Seal	3.00
Plug	2.00
Hinge	2.00
Hinge Door	2.00
Door Plate	2.00
wiper blade	1.00
wiper arm assy	1.00
Ballstud	1.00
Nut	6.00
Spacer	1.00
Spacer	1.00
Bushing	2.00
screw	1.00
Nut	1.00
Gloss Bl	1.00
Seal Kit	2.00
female coupler	1.00
coupler	1.00
male coupler	1.00
Washer	24.00
Shop Supplies	1.00
Freight Charge	1.00
Freight Charge	1.00
Labor: 2,263.00	Parts: 1,441.43
Total: 3,704.43	

Hours: 31.00

Comm: 0.00

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Palm Beach County Fleet Management Asset Maintenance History
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Problem: PM/Hyd. oil leak

Work Completed

- right side boom cylinder leaking, pull battery and bracket to gain access to lower pin retaining bolt. clean out packed mud and sticks around lower half of cylinder. remove and rebuild right side boom cylinder. reinstall and check for leaks
- Pm
- ac service
- to and from Jupiter ridge
- fill hyd tank for transport
- exhaust stack rusted through, allowing water to enter exhaust system. remove rear exhaust cover panel to access mounting hardware for exhaust. install new exhaust stack and reinstall panel.
- squealing at idle and when under load. Remove battery bracket and other hose brackets in way of belt tensioner bracket. remove hyd pump drive belt found to be severely worn. replace hyd pump drive belt. set tension to 40ftlbs as per bobcat manual.
- replace battery
- wash packed mud and sticks from frame
- test run
- add def
- Shop Supplies

Parts Issued

Quantity

New Pig	1.00
Hydraulic Fluid	2.00
Non-chlor Brake Clnr	18.00
Seal Kit	3.00
Oil Filter Replacing 7012303	1.00
Fuel Filter	1.00
hyd filter	1.00
Inner Air Filter	1.00
air filter	1.00
Hyd Filter	1.00
Clamp	2.00
wiper blade	1.00
15-40 Oil	13.00
Delvac 15w40 1 Ga	4.00
Cable Tie	1.00
Hotshot	1.00
cabin air	1.00
air filter	2.00
Lucas Oil Stabl 32oz	2.00
Used Fire X Refurbished	1.00
Group 31 Post	1.00
Drive Belt	1.00
Exhaust Tip	1.00
Non-chlor Brake Clnr	2.00
Lucas Red-tacky Grs	2.00
Shop Supplies	1.00
Freight Charge	1.00
Freight Charge	1.00

Hours: 29.50

Comm: 0.00

Labor: 2,153.50

Parts: 2,166.68

Total: 4,320.18

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

Total Hours: 612.00

Total Labor: 41,647.00

Total Comm: 35,691.54

Total Parts: 72,265.44