Palm Beach County Fleet Management Asset Maintenance History 10195213 2015 JOHNSON VT801 Street Sweeper, 10 Yd, 33,000 Gvwr

Total Hours: 1,766.40 Labor: 119,719.00 Parts: 306,158.96 Comm: 44,981.21 Charged: 470859.17

Work Order: 1410071 Meter: 1337 In Date: 10/07/2014 Closed: 11/13/2014

Problem: Check In

Work Completed	Parts Issued	Quantity
- check in. install fire extinguisher and bracket	Vinyl Electrical Tape	2.00
- remove center broom to identify drive type to order brooms	Custom Bracket Fire Ex	1.00
- test run	Used Fire X Refurbished	1.00
- jump start. repair draw	Napa Qt 15w40	1.00
- Shop Supplies	Shop Supplies	1.00
Hours: 12.50 Comm: 0.00	Labor: 750.00 Parts: 71.11	Total: 821.11

Work Order: 1410235 Meter: 1337 In Date: 10/10/2014 Closed: 10/10/2014

Problem: 1062 - Make & Apply Decals. Check Fluids, Belts and Operation

Work Completed

- Make & Apply Decals. Check Fluids, Belts and Operation

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

Palm Beach County Fleet Management Asset Maintenance History 10195213 2015 JOHNSON VT801 Street Sweeper, 10 Yd, 33,000 Gvwr

Work Order: 1411848 Meter: 1782 In Date: 11/24/2014 Closed: 02/13/2015

Problem: List

Work Completed		Parts Issued		Quantity
- install right side broom		Tool Box Latch		2.00
- check hyd leak at pump. replace fittings and line		Aw68 Hydro Fluid F	Hydr	16.00
- to roads 2xs		500 Series Arrow Bo	oard	1.00
- to mako and wait		Fuse Holder		1.00
- add strobes and light bar. fabricate wiring harness	s and mounts	Cable Tie		1.00
- to international		Fab Loom-split Poly	у	50.00
- Shop Supplies		Pm Kit		1.00
		Grommet Mount Ki	it	1.00
		Curb Brush		1.00
		Tube		2.00
		Glos Blk		1.00
		Strobe Lp Led		5.00
		Shop Supplies		1.00
		Freight Charge		1.00
		Freight Charge		1.00
Hours: 51.70	Comm: 0.00	Labor: 3,102.00	Parts: 4,487.29	Total: 7,589.29

Work Order: 1500355 Meter: 2501 In Date: 01/12/2015 Closed: 01/12/2015

Problem: 1 - Key(s) issued

Work Completed	Parts Issued	Quantity		
- 1 - Key(s) issued		Duplicate Vehicle	Keys	1.00
Hours: 0.20	Comm: 0.00	Labor: 12.00	Parts: 3.00	Total: 15.00

Palm Beach County Fleet Management Asset Maintenance History 10195213 2015 JOHNSON VT801 Street Sweeper, 10 Yd, 33,000 Gvwr

Work Order: 1502674 Problem: RS Broom	Meter:	3122		In Date:	03/13/2015 C	losed:	04/15/2015
Work Completed			Parts Issued			Qı	uantity
- Pm			15-40 Oil				23.00
- Adjust Ls vac tube			Napagold Oil Filter				1.00
- Rs Broom			Napa Gold Fuel Filter				1.00
- Rewire alternator			2602212c1 Air Filter				1.00
- Replace greese fitting			Wiper Blade				2.00
- To International 2xs			Napa Cabin Air Filter				1.00
- Test Drive			Curb Brush				1.00
- Shop Supplies			Shop Supplies				1.00
Hours: 15.00		Comm: 0.00	Labor: 900.00	Parts: 459	9.32	Total:	1,359.32
Work Order: 1503932 Problem: Operator damaged fender	Meter:	3320		In Date:	04/16/2015 C	losed:	04/16/2015
Work Completed			Parts Issued			Qı	uantity
- Repair damaged Lr fender			Shop Supplies				1.00
- Shop Supplies							
Hours: 1.50		Comm: 0.00	Labor: 90.00	Parts: 2.0	0	Total:	92.00
Work Order: 1504154 Problem: check eng light	Meter:	3954		In Date:	04/22/2015 C	losed:	05/22/2015
Work Completed			Parts Issued			Qı	uantity
- Scan and record codes			Shop Supplies				1.00
- To Rechtien 2xs							
- Repaired air leak							
- Shop Supplies							
Hours: 6.00		Comm: 0.00	Labor: 360.00	Parts: 2.0	0	Total:	362.00

Palm Beach County Fleet Management Asset Maintenance History 10195213 2015 JOHNSON VT801 Street Sweeper, 10 Yd, 33,000 Gvwr

Work Order: 1505393 Problem: Repair Fender	Meter:	3994		In Date:	05/29/2015	Closed:	06/02/2015
Work Completed			Parts Issued			Qı	uantity
- repair fender			Shop Supplies				1.00
- check engine light. scan codes							
- to rechtien							
- Shop Supplies							
Hours: 3.50		Comm: 0.00	Labor: 210.00	Parts: 2.0	0	Total:	212.00
Work Order: 1505902 Problem: Brooms	Meter:	4349		In Date:	06/12/2015	Closed:	06/16/2015
Work Completed			Parts Issued			Qı	ıantity
- replace brooms			Curb Brush				2.00
- road test			Main Broom				1.00
- Shop Supplies			Shop Supplies				1.00
Hours: 6.50		Comm: 0.00	Labor: 390.00	Parts: 774	1.77	Total:	1,164.77
Work Order: 1506221 Problem: Center broom viberates	Meter:	4925		In Date:	06/22/2015	Closed:	07/08/2015
Work Completed			Parts Issued			Qı	ıantity
- replace center broom			Main Broom				1.00
- test run			Shop Supplies				1.00
- Shop Supplies							
Hours: 3.50		Comm: 0.00	Labor: 210.00	Parts: 422	2.75	Total:	632.75
Work Order: 1507174 Problem: Box Repair / RR Srobe	Meter:	5606		In Date:	07/17/2015	Closed:	07/22/2015
Work Completed			Parts Issued			Qı	uantity
- reinforce front box mounts, bottoms and sides	5		Strobe Lp Led				1.00
- right rear strobe inop R&r strobe			Shop Supplies				1.00
- Shop Supplies							
Hours: 9.00		Comm: 0.00	Labor: 540.00	Parts: 125	5.75	Total:	665.75

Palm Beach County Fleet Management Asset Maintenance History 10195213 2015 JOHNSON VT801 Street Sweeper, 10 Yd, 33,000 Gvwr

Work Order: 1507471 Meter: 5799 In Date: 07/28/2015 Closed: 07/29/2015

Problem: List

Work Completed		Parts Issued		Quantity
- Rs Broom		Curb Brush		1.00
- Clean all 8 water valves		Brake Cleaner		2.00
- Ck engine and clear codes		Lubricant		1.00
- Road test		Blaster Penetrant		1.00
- Shop Supplies		Wd40 16oz		1.00
		Shop Supplies		1.00
Hours: 6.50	Comm: 0.00	Labor: 390.00	Parts: 210.05	Total: 600.05

Work Order: 1508447 Meter: 6508 In Date: 08/21/2015 Closed: 09/30/2015

Problem: RS nozzel leaking

Work Completed	Parts Issued	Quantity
- Replaced bad water block valve	Water Valve Kit	1.00
- Replace all brooms	12v Coil	2.00
- Road test	Water Manifold Assy	1.00
- Shop Supplies	Curb Brush	2.00
	Main Broom	1.00
	Shop Supplies	1.00
	Freight Charge	1.00
	Freight Charge	1.00

Hours: 8.00 Comm: 0.00 Labor: 480.00 Parts: 5,859.74 Total: 6,339.74

Palm Beach County Fleet Management Asset Maintenance History 10195213 2015 JOHNSON VT801 Street Sweeper, 10 Yd, 33,000 Gvwr

Work Order: 1510021 Meter: 7398 In Date: 10/02/2015 Closed: 10/14/2015

Problem: Coolent

Work Completed

- add coolant

- pm

- pm aux engine

- road test

- Shop Supplies

Parts Issued		Quantity
15-40 Oil		23.00
Napa Gold Fuel Filter		1.00
Wiper Blade		2.00
Washer Fl		1.00
Brake Cleaner		2.00
2602212c1 Air Filter		1.00
Oil Filter		1.00
Napagold Oil Filter		1.00
15-40 Oil		17.00
Filter Element		1.00
Napagold Fuel Filter		1.00
Napagold Air Filter		1.00
Napagold Air Filter		1.00
Napa Cabin Air Filter		1.00
Used Fire X Refurbishe	ed	1.00
Napa Antifreeze Gal		1.00
Hydrauli Filter		1.00
Shop Supplies		1.00
Freight Charge		1.00
Labor: 660.00	Parts: 8/8 37	Total: 1.508.1

Hours: 11.00 Comm: 0.00 Labor: 660.00 Parts: 848.37 Total: 1,508.37

Palm Beach County Fleet Management Asset Maintenance History 10195213 2015 JOHNSON VT801 Street Sweeper, 10 Yd, 33,000 Gvwr

Work Order: 1510856 Meter: 8618 In Date: 10/27/2015 Closed: 12/17/2015

Problem: Sprayer

Work Completed		Parts Issued		Quantity
- install water nozzles and clean solenoid		Curb Broom		2.00
- replace fittings at tank and install shut off valv	re	Main Broom		1.00
- replace brooms		Filter		1.00
- install water filter system and fabricate mounti	ing bracket	Glacier System		1.00
- to home depot to Mako		Male Reducer		2.00
- to mako		Quality Htr Hose		10.00
- Shop Supplies		Hose Clamp		2.00
		Brass Pipe		1.00
		PI Fitting		1.00
		nozzle jet assambly	/	2.00
		Quality Htr Hose		4.00
		Brass Ball Valve		1.00
		Brass Insert		2.00
		Hose Made 101952	213	1.00
		Shop Supplies		1.00
Hours: 19.00	Comm: 0.00	Labor: 1,140.00	Parts: 1,079.90	Total: 2,219.90

Work Order: 1513036 Meter: 9673 In Date: 12/30/2015 Closed: 01/19/2016

Problem: Coolent/ wheels

Work Completed		Parts Issued		Quantity
- add coolant rear engine		Napa Antifreeze G	ial	1.00
- order and install wheels and rubber for suction hood	d	Tire Solid Rubber	10' X 2'	4.00
- replace all brooms		Rubber Nozzle Set	t Up V-range	2.00
- Shop Supplies		Curb Broom		2.00
		Main Broom		1.00
		Shop Supplies		1.00
		Freight Charge		1.00
Hours: 10.50	Comm: 0.00	Labor: 630.00	Parts: 1,646.99	Total: 2,276.99

Hours: 0.00

Palm Beach County Fleet Management Asset Maintenance History 10195213 2015 JOHNSON VT801 Street Sweeper, 10 Yd, 33,000 Gvwr

Work Order: 1601069 Meter: 10537 01/29/2016 **Closed:** 02/04/2016 In Date: Problem: Ck Engine light **Work Completed Parts Issued** Quantity 3.00 Filter - Pulled codes 3251 **Shop Supplies** 1.00 - Replace water filter - Rd. test - Shop Supplies Hours: 2.50 Comm: 0.00 Labor: 150.00 Total: 196.42 Parts: 46.42 Work Order: 1601208 Meter: 10712 In Date: 02/04/2016 **Closed:** 02/04/2016 Problem: Hyd. leak **Work Completed Parts Issued** Quantity **Shop Supplies** 1.00 - Repair hyd leak - Shop Supplies Hours: 1.00 Comm: 0.00 Labor: 60.00 Parts: 2.00 Total: 62.00 Meter: 10937 02/11/2016 **Closed**: 02/29/2016 Work Order: 1602098 In Date: Problem: accident, rear end damage **Work Completed** - Tow From: congress N of Lantana S of clubhouse blvd To: He Shop Hours: 0.00 Comm: 60.00 Labor: 0.00 Parts: 0.00 Total: 60.00 Work Order: 1602577 Meter: 11089 In Date: 02/12/2016 Closed: 03/10/2016 **Problem:** damage to rear bumper, lights, fenders & poss frame **Work Completed** - damage to rear bumper, lights, fenders & poss frame

Comm: 3,882.86

Labor: 0.00

Parts: 0.00

Total: 3,882.86

Palm Beach County Fleet Management Asset Maintenance History 10195213 2015 JOHNSON VT801 Street Sweeper, 10 Yd, 33,000 Gvwr

Work Order: 1602657 Meter: 11171 In Date: 03/11/2016 Closed: 03/28/2016

Problem: List

Work Completed		Parts Issued		Quantity
- replace brooms		Strobe Lp Led		1.00
- replace left top strobe. modify light cage to fi	t	Air Hose		1.00
- add air coupler to tank and air blower/line		Blow Gun		1.00
- replace leaking hyd line		Adapter		1.00
- add hyd oil		Coupler		1.00
- add coolant		met m din fp 2206		1.00
- wash truck and frame		as bushing 0604		1.00
- to mako 2xs to rechtien		hose made mako 1	10195213	1.00
- replace filter for water system		Napa Antifreeze G	al	1.00
- road test		Curb Broom		2.00
- replace right headlight		Aw68 Hydro Fluid	Hydr	18.00
- Shop Supplies		Halogen Capsule		1.00
		hose mako		1.00
		Main Broom		1.00
		Shop Supplies		1.00
		Freight Charge		1.00
Hours: 23.50	Comm: 0.00	Labor: 1,410.00	Parts: 1,259.42	Total: 2,669.42

Work Order: 1603280 Meter: 11972 In Date: 03/29/2016 Closed: 04/20/2016

Problem: install water meter

Work Completed		Parts Issued		Quantity
- Install water meter		Hose Clamp		4.00
- Pulled codes		Quality Htr Hose		3.00
- To Mako		56521 Thread Seal	lant	1.00
- Test		tm200n		1.00
- Shop Supplies		tm200n		1.00
		Shop Supplies		1.00
		Freight Charge		1.00
Hours: 6.50	Comm: 0.00	Labor: 390.00	Parts: 1,607.78	Total: 1,997.78

Palm Beach County Fleet Management Asset Maintenance History 10195213 2015 JOHNSON VT801 Street Sweeper, 10 Yd, 33,000 Gvwr

Work Order: 1604451 Meter: 12241 In Date: 04/28/2016 Closed: 05/11/2016

Problem: PM/ Greese line

Work Completed		Parts Issued	Quantity
- Pm		15-40 Oil	23.00
- Pm Aux. engine		Napagold Oil Filter	1.00
- Replace missing reflector		2602212c1 Air Filter	1.00
- Repair greese line		Napa Gold Fuel Filter	1.00
- Replace water system filter		Napa Cabin Air Filter	1.00
- Test Drive		22" Wiper Blade	2.00
- Shop Supplies		Brake Cleaner	3.00
		Napagold Oil Filter	1.00
		Filter Element	1.00
		Napagold Fuel Filter	1.00
		Napagold Air Filter	1.00
		Napagold Air Filter	1.00
		15-40 Oil	17.00
		Napa Antifreeze Gal	1.00
		Hydrauli Filter	1.00
		Reflectr	1.00
		Filter	4.00
		Shop Supplies	1.00
		Freight Charge	1.00
Hours: 13.00	Comm: 0.00	Labor: 780.00 Parts: 836.43	Total: 1,616.43

Work Order: 1604855 Meter: 12377 In Date: 05/06/2016 Closed: 05/09/2016

Problem: Accident

Work Completed

- Tow From: Hagan Ranch s of Woolbright To: accident line

Hours: 0.00 Comm: 278.40 Labor: 0.00 Parts: 0.00 Total: 278.40

Palm Beach County Fleet Management Asset Maintenance History 10195213 2015 JOHNSON VT801 Street Sweeper, 10 Yd, 33,000 Gvwr

Work Order:	1606563	Meter: 12436	In Date:	06/28/2016 Closed:	08/02/2016

Problem: Check out

Work Completed		Parts Issued		Quantity
- adjust rear brake		Main Broom		1.00
- long road test		Curb Broom		1.00
- R&r valve for hood up&down operation		Water Manifold As	ssy	1.00
- replace brooms		check valve		1.00
- clean out water valves		elbow		1.00
- R&r headlight		Halogen Capsule		1.00
- Shop Supplies		Shop Supplies		1.00
		Freight Charge		1.00
Hours: 11.50	Comm: 0.00	Labor: 690.00	Parts: 5,538.77	Total: 6,228.77

Work Order: 1606742 Meter: 12377 In Date: 05/06/2016 Closed: 07/01/2016

Problem: : Damage to rear bumper, brake chamber, right rear fender, rear lights, suspension & possible tire

Work Completed

- : Damage to rear bumper, brake chamber, right rear fender, rear lights, suspension & possible tire

Hours: 0.00	Comm: 9,828.24 Labor: 0.00	Parts: 0.00	Total: 9,828.24
Work Order: 1608213	Meter: 13002	In Date: 08/10/20	016 Closed: 08/15/2016

Problem: headlight

Work Completed		Parts Issued		Quantity
- replace driver headlight		Lens		1.00
Hours: 0.50	Comm: 0.00	Labor: 30.00	Parts: 1.11	Total: 31.11

- Pm

Palm Beach County Fleet Management Asset Maintenance History 10195213 2015 JOHNSON VT801 Street Sweeper, 10 Yd, 33,000 Gvwr

4:07:54 Pf	VI	10195213	2015 J	OHNSON VT801 S	Street Sweeper, 10 Yd,	, 33,000 Gv	wr		
Work Order: Problem:	1608412 Nozzle wheels / Bro	om	Meter:	13242		In Date:	08/15/2016	Closed:	09/02/2016
Work Com	pleted				Parts Issued			Qı	uantity
- R&r Broo	om				Tire Solid Rubber 10)' X 2'			2.00
- R&r sutio	on hood wheel				Curb Broom				1.00
- Replace	water fliter				Main Broom				1.00
- Replace	Bu alarm				Ptex Thrd Seal Hitem	np			1.00
- R&r Rs a	nd center brooms				Curb Broom				1.00
- R&r wate	er distribution block a	ssembly			Alarm				1.00
- Test					Shop Supplies				1.00
- Shop Su	oplies				Freight Charge				1.00
	Hours: 10.5	50		Comm: 0.00	Labor: 630.00	Parts: 920	0.21	Total:	1,550.21
Nork Order: Problem:	RRI Tire		Meter:	13242		In Date:	08/18/2016	Closed:	08/19/2016
Work Com	pleted								
- Rri tire									
	Hours: 0.00)		Comm: 537.07	Labor: 0.00	Parts: 0.0	00	Total:	537.07
	1609308 Water Leak		Meter:	13672		In Date:	09/07/2016	Closed:	09/08/2016
Work Com	pleted				Parts Issued			Qı	uantity
- replace l	eaking water line				Quality Htr Hose				2.00
- Shop Su _l	oplies				Shop Supplies				1.00
	Hours: 1.50)		Comm: 0.00	Labor: 90.00	Parts: 4.3	37	Total:	94.37
Vork Order: Problem:	1610443 head light out		Meter:	14485		In Date:	10/11/2016	Closed:	10/27/2016
Work Com	pleted				Parts Issued			Qı	uantity
- R&r Hea	dlight				15-40 Oil				23.00
- Remove	all water solinods and	d clean spray ba	ırs		Napagold Oil Filter				1.00
- Repair ar	row board				2602212c1 Air Filter				1.00
									1.00

Napa Gold Fuel Filter

1.00

Palm Beach County Fleet Management Asset Maintenance History 195213 2015 JOHNSON VT801 Street Sweeper, 10 Yd, 33,000 Gvwr 10195213

- Aps Pm	Parts Issued	Quantity
- Replace water filter	Wiper Blade	2.00
- Service Ac	Used Fire X Refurbished	1.00
- Curb brooms	15-40 Oil	17.00
- Replace compressor and dryer	Napagold Oil Filter	1.00
- Replace serpintine belt	Napagold Fuel Filter	1.00
- Replace filter housing	Napagold Air Filter	1.00
- Road test	Napagold Air Filter	1.00
- Clean oil off rear engine	Non-chlor Brake Clnr	4.00
- Fill water tank for testing	Cabin Air Filter	1.00
- Shop Supplies	Napa Cabin Air Filter	1.00
	Curb Broom	2.00
	compressor	1.00
	Ad Ip Dryer Cart	1.00
	gasket	1.00
	gasket	1.00
	o ring	2.00
	drive belt	1.00
	Rotell Elc Antifeerze	2.00
	V-belt	1.00
	filter head	1.00
	gasket	1.00
	screw	1.00
	drain plug	2.00
	oring	2.00
	Capsule	2.00
	Shop Supplies	1.00

Total: 7,821.32 Hours: 37.00 Comm: 0.00 Labor: 2,220.00 Parts: 5,601.32

Palm Beach County Fleet Management Asset Maintenance History 10195213 2015 JOHNSON VT801 Street Sweeper, 10 Yd, 33,000 Gvwr

Work Order: 1611224 Meter: 14802 10/28/2016 **Closed:** 11/03/2016 In Date: Problem: Center broom and wheel **Parts Issued** Quantity **Work Completed** Main Broom 1.00 - Replace center broom **Shop Supplies** 1.00 - Replace suction hood wheel - Ck codes and clear - Test Drive - Shop Supplies Hours: 5.50 Comm: 0.00 Labor: 330.00 Parts: 363.98 Total: 693.98 Work Order: 1611631 Meter: 15237 **In Date:** 11/14/2016 **Closed:** 12/07/2016 Problem: list Quantity **Work Completed Parts Issued** 3030 brake chamber 1.00 - replace leaking brake chamber assembly 68491001 Sight Rods A 1.00 - replace bumper markers hose reel 1.00 - R&r pressure wash hose and reel. hose made 1.00 - Shop Supplies hose made 1.00 met bonded seal 4.00 **Shop Supplies** 1.00 Freight Charge 1.00 Comm: 0.00 Parts: 2,324.79 Hours: 11.00 Labor: 660.00 Total: 2,984.79 Work Order: 1613098 Meter: 16027 **In Date:** 12/28/2016 **Closed:** 01/03/2017 Problem: Head Light **Work Completed Parts Issued** Quantity Capsule 1.00 - R&r head light bulb Parts: 3.20 Hours: 0.50 Comm: 0.00 Labor: 30.00 Total: 33.20

Palm Beach County Fleet Management Asset Maintenance History 10195213 2015 JOHNSON VT801 Street Sweeper, 10 Yd, 33,000 Gvwr

Work Order: 1700212 Meter: 16303 In Date: 01/06/2017 Closed: 03/01/2017

Problem: Brooms

Work Completed		Parts Issued	Quantity
- Replace all brooms		Halogen Capsule	2.00
- Replace Rs headlight		johnson gutter broom	1.00
- Reset Aps service light		Main Broom	1.00
- Replace right broom and center broom		Marine Adh Seal White	1.00
- Repair water hoses under cab		2	2.00
- R&r water filter and clean out water valve block		Blaster Penetrant	1.00
- Pulled truck codes, 3251-21,3251-10,3251-18		Seal	2.00
- Install reflective tape		Curb Broom	2.00
- Shop Supplies		Main Broom	1.00
		Shop Supplies	1.00
		Freight Charge	1.00
Hours: 16.00	Comm: 0.00	Labor: 960.00 Parts: 1,682.76	Total: 2,642.76

Palm Beach County Fleet Management Asset Maintenance History 10195213 2015 JOHNSON VT801 Street Sweeper, 10 Yd, 33,000 Gvwr

Work Order: 1702107 Meter: 19054 In Date: 03/01/2017 Closed: 05/15/2017

Problem: New Vac Hoses

Work Completed		Parts Issued		Quantity
- right side broom		Halogen Capsule		1.00
- R&r headlight bulb.		head light		1.00
replace both headlights and harness		head llight		1.00
- pm		johnson gutter brod	om	2.00
- aps pm		15-40 Oil		23.00
- replace cab filters		Napagold Oil Filter		1.00
- replace brooms		2602212c1 Air Filter		1.00
- replace water filter and clean solenoids		Napa Gold Fuel Filte	er	1.00
- road test		Wiper Blade		2.00
- connect computer to reset service light		15-40 Oil		17.00
- Shop Supplies		Napagold Oil Filter		1.00
		Napagold Fuel Filte	r	1.00
		Napagold Air Filter		1.00
		Napagold Air Filter		1.00
		Napa Cabin Air Filte	er	1.00
		Cabin Air Filter		1.00
		Cable Tie		1.00
		Filter Element		1.00
		Main Broom		1.00
		Shop Supplies		1.00
Hours: 23.50	Comm: 0.00	Labor: 1,410.00	Parts: 2,301.23	Total: 3,711.2

Work Order: 1703816 Meter: 18973 In Date: 04/14/2017 Closed: 04/17/2017

Problem: RRO Tire

Work Completed

- rro tire

Hours: 0.00 Comm: 535.87 Labor: 0.00 Parts: 0.00 Total: 535.87

Palm Beach County Fleet Management Asset Maintenance History 10195213 2015 JOHNSON VT801 Street Sweeper, 10 Yd, 33,000 Gvwr

Work Order: 1704384 Meter: 20168 In Date: 05/01/2017 Closed: 06/09/2017

Problem: replace impeller

Work Completed		Parts Issued		Quantity
- R&r blower impeller on rear unit		Clr Rtv Silcn Sealant		3.00
- Replace Rr wheel guard and mounts		fan impeller assemb	ly	1.00
- Replace air flow control valves		intake flap		2.00
- Shop Supplies		spring clip		4.00
		cap screw		1.00
		spring washer		1.00
		mud wing		1.00
		rear wing fixing kit		1.00
		Shop Supplies		1.00
		Freight Charge		1.00
		Freight Charge		1.00
		Freight Charge		1.00
Hours: 31.00	Comm: 0.00	Labor: 1,860.00	Parts: 5,827.55	Total: 7,687.55

Work Order: 1705111 Meter: 20514 In Date: 05/24/2017 Closed: 05/25/2017

Problem: RRI tire

Work Completed

- Rri tire

Hours: 0.00 Comm: 475.91 Labor: 0.00 Parts: 0.00 Total: 475.91

Palm Beach County Fleet Management Asset Maintenance History 10195213 2015 JOHNSON VT801 Street Sweeper, 10 Yd, 33,000 Gvwr

Work Order: 1706115 Meter: 21080 In Date: 06/21/2017 Closed: 08/30/2017

Problem: replace cylinders

Work Completed		Parts Issued		Quantity
- replace all broomsx2		johnson gutter brod	om	2.00
- replace left side hood tilt cyl and right side boom up/do	own cyl	Main Broom		2.00
- replace crubside rubber		cylinder assembly		1.00
- replace missing reflectors on rear		cylinder assembly		1.00
- replace rear fenders		curtain rubber		1.00
- replace stobe modify bracket and cage to fit new strobe	•	rubber curtin nozzle	е	1.00
- replace and reroute water hose from meter		Reflectr		2.00
- Shop Supplies		hose made mako		1.00
		mud wing		2.00
		rear wing fixing kit		2.00
		Strobe Lp Led		1.00
		Quality Htr Hose		16.00
		Hose Clamp		4.00
		Cable Tie		1.00
		water filters		4.00
		curb broom		2.00
		Shop Supplies		1.00
		Freight Charge		1.00
		Freight Charge		1.00
Hours: 26.00	Comm: 0.00	Labor: 1,560.00	Parts: 4,708.72	Total: 6,268.72

Work Order: 1708545 Meter: 22380 In Date: 08/29/2017 Closed: 11/03/2017

Problem: turbine housing

Work Completed	Parts Issued	Quantity
- Replace main turbine	fan case	1.00
- Test run	Ptex Ultra Black 30z	2.00
- Pm	fancase inlet	1.00
- Aps service	hex head screw	4.00
•	spring washer m10	4.00

- Replace Ac filters
- Replace steering gear and steering shaft U-joints
- Aps coolent service
- Replace water filter and clean out solenoids
- Remove rear wheel guards for tire replacement
- Test
- Shop Supplies

Parts Issued	Quantity
washer m10	4.00
spring washer m8	22.00
large washer m8	14.00
hex screw m8cx20	14.00
guard	1.00
seal exhaust side	1.00
pin	4.00
nyloc hex nut m8c	4.00
washer	4.00
seal	1.00
braket	1.00
screw m8cx25	8.00
thin nut m8	8.00
seal	1.00
screw m8x16	11.00
seal	1.00
support	2.00
support	2.00
suction seal	1.00
motor mount plate	1.00
mask plate	1.00
screw	4.00
isolating pad fuel tank	2.00
isolating pad	1.00
waher large m10	12.00
hex nut m10 x grade 10	4.00
bobbin m10	4.00
15-40 Oil	23.00
Napagold Oil Filter	1.00
Napa Gold Fuel Filter	1.00

Parts Issued	Quantity
Air Filter	1.00
Wiper Blade	2.00
Washer Fluid Concentr	1.00
Used Fire X Refurbished	1.00
Napagold Oil Filter	1.00
Napagold Fuel Filter	1.00
Napagold Air Filter	1.00
Napagold Air Filter	1.00
Napa Cabin Air Filter	1.00
Cabin Air Filter	1.00
Filter Element	1.00
Power Steering Filter	1.00
Psf Qt	3.00
1gal Rtu Antifreeze	6.00
15-40 Oil	17.00
Steering Gear Box	1.00
1qt Syngear Oil 75-90	3.00
Epoxy Seam Sealer	1.00
Brush	1.00
Ptex Extend Rust Spry	1.00
Extend Rust Cntr Aero	2.00
33/64 drill	1.00
37/64 drill	1.00
steering shaft	1.00
Shop Supplies	1.00
Freight Charge	1.00
Freight Charge	1.00
Labari 4 440 00 Danta: 44 000 04	T-+-1- 40 000

Hours: 74.00 Comm: 0.00 Labor: 4,440.00 Parts: 14,393.21 Total: 18,833.21

Palm Beach County Fleet Management Asset Maintenance History 10195213 2015 JOHNSON VT801 Street Sweeper, 10 Yd, 33,000 Gvwr

Work Order: 1710702 Meter: 22407 In Date: 10/30/2017 Closed: 11/02/2017

Problem: tires

Work Completed

- Tires

Hours: 0.00 Comm: 1,479.29 Labor: 0.00 Parts: 0.00 Total: 1,479.29

Work Order: 1711971 Meter: 23089 In Date: 12/06/2017 Closed: 12/08/2017

Problem: Repair water leak

Work Completed		Parts Issued		Quantity
- To Mako		hose from mako		1.00
- Replace Rs water lines		Cable Tie		1.00
- Shop Supplies		Shop Supplies		1.00
Hours: 4.50	Comm: 0.00	Labor: 270.00	Parts: 137.23	Total: 407.23

Work Order: 1712795 Meter: 23617 In Date: 12/29/2017 Closed: 01/10/2018

Problem: Battery/ Brooms

Work Completed		Parts Issued		Quantity
- R&r 2 batteries		Group 31 Stud De	lco	2.00
- to roads		Main Broom		1.00
- replace brooms		johnson gutter bro	oom	2.00
- R&r water lines		10mm nylon tube		50.00
- test run		Cable Tie		2.00
- Shop Supplies		Releasable Cable 7	Гіе	2.00
		Shop Supplies		1.00
Hours: 12.00	Comm: 0.00	Labor: 720.00	Parts: 1,055.95	Total: 1,775.95

Palm Beach County Fleet Management Asset Maintenance History 10195213 2015 JOHNSON VT801 Street Sweeper, 10 Yd, 33,000 Gvwr

Work Order: 1802083 Problem: brooms	Meter:	24980		In Date:	02/26/2018	Closed:	03/08/2018
Work Completed			Parts Issued			Qı	uantity
- Replace 4 Brooms			Main Broom				1.00
- Rs broom motor R&r			johnson gutter broc	om			2.00
- Shop Supplies			gutter brush motor				1.00
			pnen filter / regulate	or assembly			1.00
			Shop Supplies				1.00
			Freight Charge				1.00
Hours: 8.00		Comm: 0.00	Labor: 480.00	Parts: 3,3	01.06	Total:	3,781.06
Work Order: 1802633 Problem: RRO Flat repair	Meter:	25197		In Date:	03/09/2018	Closed:	03/12/2018
Work Completed							
- replace tire flat repair							
Hours: 0.00		Comm: 503.21	Labor: 0.00	Parts: 0.0	0	Total:	503.21
Work Order: 1802794 Problem: LF flat repair	Meter:	25335		In Date:	03/14/2018	Closed:	03/16/2018
Work Completed							
- Lf flat repair							
Hours: 0.00		Comm: 475.80	Labor: 0.00	Parts: 0.0	0	Total:	475.80

Palm Beach County Fleet Management Asset Maintenance History 10195213 2015 JOHNSON VT801 Street Sweeper, 10 Yd, 33,000 Gvwr

 Work Order:
 1802832
 Meter:
 25447
 In Date:
 03/15/2018
 Closed:
 03/28/2018

 Problem:
 Rear engine light

Work Completed		Parts Issued		Quantity
- rear engine air filters		Napagold Air Filter		1.00
- repair right water sprayer		Napagold Air Filter		1.00
- test run		Sensor		1.00
- fabricate and install bracket to install Dmi and wire G	ps antenna	Valve Cover Gasket		1.00
- R&r Frp sensor and harness under valvecover. replace	e fuel filters	Harness		1.00
- Shop Supplies		Non-chlor Brake Clr	8.00	
		Cable Tie		1.00
		12v Power Socket		1.00
		Mini Add Circut		1.00
		Primary Wire		6.00
		Primary Wire		6.00
		Fuse Holder		1.00
		Fuel Filter (gold)		1.00
		Napagold Fuel Filter	•	1.00
		Prem Blue 15w40 1	Gal	2.00
		Shop Supplies		1.00
Hours: 23.00	Comm: 0.00	Labor: 1,380.00	Parts: 592.90	Total: 1,972.90

Problem: Water line

Work Completed		Parts Issued		Quantity
- repair water line on front spray bar		Hose Made Mako		1.00
- to mako		Shop Supplies		1.00
- Shop Supplies				
Hours: 2.00	Comm: 0.00	Labor: 120.00	Parts: 47.54	Total: 167.54

Palm Beach County Fleet Management Asset Maintenance History 10195213 2015 JOHNSON VT801 Street Sweeper, 10 Yd, 33,000 Gvwr

Work Order: 1804055 Meter: 26001 In Date: 04/19/2018 Closed: 04/26/2018

Problem: Water leak

Work Completed		Parts Issued		Quantity
- replace brooms - replace deck rubbers and suction tubes - open and clean water distribution block		Ptc Metric Union 1	0mm	11.00
		Main Broom		1.00
		johnson gutter bro	oom	1.00
		rubber curtin		2.00
		nozzle trunking 25	nozzle trunking 250mm	
- Shop Supplies				2.00
		j-section rubber		2.00
		mudflap		2.00
		Shop Supplies		1.00
Hours: 15.00	Comm: 0.00	Labor: 900.00	Parts: 3,398.05	Total: 4,298.05

Work Order: 1804515 Meter: 26433 In Date: 05/01/2018 Closed: 05/11/2018

Problem: Low Coolant

Work Completed	Parts Issued	Quantity
- Top of coolent 5/1 5/4	Rotell Elc Antifeerze	3.00
- To R&b 2xs	Shop Supplies	1.00
- To Rechtien 2xs		

- Shop Supplies

Hours: 6.00 Comm: 0.00 Labor: 360.00 Parts: 47.99 Total: 407.99

Palm Beach County Fleet Management Asset Maintenance History 10195213 2015 JOHNSON VT801 Street Sweeper, 10 Yd, 33,000 Gvwr

Work Order: 1804930 Meter: 26656 In Date: 05/11/2018 Closed: 05/22/2018

Problem: PM / AC

Work Completed		Parts Issued		Quantity
- Pm- Pm Aps- Service Ac system, filters blocked up. Replaced low side schrader valve		15-40 Oil		23.00
		Non-chlor Brake Cl	nr	2.00
		Napagold Oil Filter	Napagold Oil Filter	
- Air Dryer		Napa Gold Fuel Filt	er	1.00
- Road test		Air Filter		1.00
- Shop Supplies		Wiper Blade		2.00
		Used Fire X Refurbi	shed	1.00
		Napagold Oil Filter		1.00
		Napagold Fuel Filter Napagold Air Filter Napagold Air Filter Fuel Filter (gold) 15-40 Oil Napa Cabin Air Filter Cabin Air Filter		1.00
				1.00
				1.00
				1.00
				19.00
				1.00
				1.00
		Ad Ip Dryer Cart		1.00
		Shop Supplies		1.00
Hours: 17.50	Comm: 0.00	Labor: 1,050.00	Parts: 581.65	Total: 1,631.6

Work Order: 1805518 Meter: 27281 In Date: 05/31/2018 Closed: 06/22/2018

Problem: Water Leak

Work Completed		Parts Issued		Quantity
- R&r leaking presure water lines	&r leaking presure water lines epair broken clock spring in steering wheel Ls. To repair horn Htr/hose Clock Spring		3.00	
- Repair broken clock spring in steering wheel L				1.00
- Replace all brooms		johnson gutter br	oom	2.00
- Road test		Main Broom		1.00
- Shop Supplies		Shop Supplies		1.00
Hours: 11.50	Comm: 0.00	Labor: 690.00	Parts: 940.73	Total: 1,630.73

Palm Beach County Fleet Management Asset Maintenance History 10195213 2015 JOHNSON VT801 Street Sweeper, 10 Yd, 33,000 Gvwr

Work Order: 1806166 **Meter:** 27950 **In Date:** 06/15/2018 **Closed:** 06/20/2018

Problem: RRO Tire

Work Completed

- rro tire

Hours: 0.00 Comm: 535.76 Labor: 0.00 Parts: 0.00 Total: 535.76

Work Order: 1806204 Meter: 27950 In Date: 06/18/2018 Closed: 06/20/2018

Problem: tire

Work Completed

- tire

Hours: 0.00 Comm: 51.56 Labor: 0.00 Parts: 0.00 Total: 51.56

Work Order: 1806359 Meter: 28182 In Date: 06/21/2018 Closed: 06/22/2018

Problem: Coolant

 Work Completed
 Parts Issued
 Quantity

 - Add coolant
 1gal Rtu Antifreeze
 1.00

 Hours: 0.50
 Comm: 0.00
 Labor: 30.00
 Parts: 9.45
 Total: 39.45

Work Order: 1806549 Meter: 28393 In Date: 06/27/2018 Closed: 07/17/2018

Problem: Coolent

Work Completed		Parts Issued	Quantity	
 R&r coolant resevoir and drain and fill cooling system test run wash rear engine R&r valve body for water spray system. cleam and repair air leak to mako Shop Supplies 		1gal Rtu Antifreez	e	2.00
		Expansion Tank		1.00
		24 175 Uvb Cable	Tie	1.00
		Hose Made Mako Shop Supplies Freight Charge		1.00
				Hours: 14.00

Palm Beach County Fleet Management Asset Maintenance History 10195213 2015 JOHNSON VT801 Street Sweeper, 10 Yd, 33,000 Gvwr

Work Order: 1808007 Meter: 29516 In Date: 08/06/2018 Closed: 08/10/2018

Problem: brooms

Work Completed		Parts Issued		Quantity
- Replace brooms		johnson gutter broom		2.00
- Shop Supplies		Main Broom		1.00
		Shop Supplies		1.00
Hours: 4.00	Comm: 0.00	Labor: 240.00	Parts: 761.89	Total: 1,001.89

Work Order: 1808257 Meter: 29895 In Date: 08/10/2018 Closed: 08/31/2018

Problem: LS broom tilt motor

Work Completed		Parts Issued		Quantity	
- tilt motor		Actuator		1.00	
- test all wiring to both broom tilt motors. replace	e all relays. repair crushed	Al76702 Relay Joh	n De	4.00	
wiring	,	Hose Made Mako		1.00	
- adjust both brooms		Shop Supplies		1.00	
- to mako and wait time		Freight Charge		1.00	
- Shop Supplies					
Hours: 11 00	Comm: 0.00	Labor: 660 00	Parts: 3 368 75	Total: 4 028 75	

Palm Beach County Fleet Management Asset Maintenance History 10195213 2015 JOHNSON VT801 Street Sweeper, 10 Yd, 33,000 Gvwr

Work Order: 1809794 Meter: 31697 In Date: 09/21/2018 Closed: 10/22/2018

Problem: RS Broom & Cyl.

Hours: 52.00

Work Completed	Parts Issued	Quantity
- replace broom	Napagold Oil Filter	1.00
- order cylinder and actuator	15-40 Oil	23.00
- test run	Napa Gold Fuel Filter	1.00
- replace spray bar line	Air Filter	1.00
- pm	Wiper Blade	2.00
- pm aps	Non-chlor Brake Clnr	4.00
- R&r cab filters	15-40 Oil	19.00
- R&r all brooms and debris	Napagold Oil Filter	1.00
- replace entire line to water spray bar and water system filter	Fuel Filter (gold)	1.00
- R&r seized pins in linkage. drill and tap rods and add grease fittings	Napagold Fuel Filter	1.00
- to mako	Napagold Air Filter	1.00
- test run	Napagold Air Filter	1.00
- Shop Supplies	Cabin Air Filter	1.00
	Napa Cabin Air Filter	1.00
	johnson gutter broom	1.00
	Main Broom	1.00
	10 Mm Tubing	1.00
	Water Filter	2.00
	johnson gutter broom	1.00
	Actuator	1.00
	cylinder assembly	1.00
	Shop Supplies	1.00
	Freight Charge	1.00

Comm: 0.00

Labor: 3,484.00

Parts: 4,580.04

Total: 8,064.04

Palm Beach County Fleet Management Asset Maintenance History 10195213 2015 JOHNSON VT801 Street Sweeper, 10 Yd, 33,000 Gvwr

Work Order: 1811153 Meter: 32051 In Date: 10/30/2018 Closed: 10/31/2018

Problem: Spray nozzels

Work CompletedParts IssuedQuantity- free up pressure solenoids. repair water leaks. clean out spray nozzleShop Supplies1.00

- Shop Supplies

Hours: 6.50 Comm: 0.00 Labor: 435.50 Parts: 3.00 Total: 438.50

Work Order: 1811490 Meter: 32359 In Date: 11/08/2018 Closed: 03/13/2019

Problem: Lights

Work Completed

- Repair strobe lights

- Rebuild impeller and housing assembly
- Replace suction tubes, hoses, control flaps, internal body guards, shaker, complete body suction rebuild
- Replace all water jets inside suction nozzles and all water lines
- Flush water tanks and clean out body
- To benoist pit to clean out box, to Mako 2xs
- Cut out and weld new brackets for gates inside body
- Fill tanks and test system
- Replaced brooms and repaired water leak. Replaced water filters
- Replace Lf head light
- Shop Supplies

Parts Issued	Quantity
cap screw	1.00
intake flap	2.00
fan impeller assembly	1.00
bobbin m10	4.00
hex nut m10 x grade 10	4.00
isolating pad	1.00
isolating pad fuel tank	2.00
mask plate	1.00
suction seal	1.00
support	2.00
support	2.00
seal	1.00
arm puller	1.00
thin nut m8	8.00
seal	1.00
nyloc hex nut m8c	4.00
hex screw m8cx20	14.00
hex head screw	4.00
seal	1.00
braket	1.00
pin	4.00

Parts Issued	Quantity
seal exhaust side	1.00
guard	1.00
fancase inlet	1.00
fan case	1.00
spring clip	8.00
Boxed Capsules	2.00
rear wing fixing kit	1.00
mud wing	1.00
screw	4.00
screw m8x16	11.00
screw m8cx25	8.00
Horn Pad	1.00
Ptex Ultra Grey 3oz	4.00
Clr Rtv Silcn Sealant	3.00
Epoxy Seam Sealer	1.00
1qt Syngear Oil 75-90	8.00
Pcv Valve Grommet	1.00
Hose Clip	4.00
nozzle trunking 250mm	2.00
Intake Seat Lined Vt651	2.00
Nozzle Jet	8.00
Mesh Shaker	2.00
Blanking Plug	2.00
Baffle	1.00
intake flap	2.00
Ring Locking Baffle Center	2.00
Wear Plate	2.00
Shaft Assy	2.00
Duck Inlet	2.00
Adapter	2.00

Parts Issued		Quantity
Push In Adapter 6mm	1	2.00
Stem Elbow 6mm		2.00
Hex Head Screw		11.00
Hex Head Screw		12.00
Hex Screw		8.00
washer m10		8.00
Intake Duct Seal		2.00
Spring Washer M10		4.00
Exhaust Silencer		2.00
Valve		2.00
Plate		1.00
Bushing		2.00
Clamp Welded Assem	nbly	2.00
Clamp Wear Bar Plate	ė	2.00
Seal		2.00
Strobe Lp Led		2.00
Balancer Puller		1.00
Hose Made Mako		1.00
Hose Clamp		4.00
Hose Made Mako		1.00
Shop Supplies		1.00
Freight Charge		1.00
Labor: 8,207.50	Parts: 41,382.18	Total: 49,589.68

Work Order: 1903723 Meter: 34082 In Date: 04/05/2019 Closed: 06/28/2019

Comm: 0.00

Problem: Brooms

Hours: 122.50

Work CompletedParts IssuedQuantity- Replaced broomsMain Broom1.00

- Aps service

- Pm

- Service Ac
- Replaced and wired marker lights
- Service air dryer
- Cleaned out water system and all spray nozzles
- Traced out and repaired wirring on Aps system (no start)
- Test run
- Replaced thermostat and housing
- Clean all coolers
- Remove and clean spray bar nozzles, clean solinoids
- Pulled codes for over heating
- Test run
- Replaced bad water line
- Shop Supplies

Parts Issued	Quantity
johnson gutter broom	2.00
Blk/ct	2.00
Hose Mako	1.00
Hose Mako	1.00
15-40 Oil	23.00
Napagold Oil Filter	1.00
Napagold Oil Filter	1.00
Fuel Filter (gold)	1.00
Air Filter	1.00
Napa Gold Fuel Filter	1.00
Napagold Air Filter	1.00
Napagold Air Filter	1.00
Napagold Fuel Filter	1.00
Wiper Blade	2.00
15-40 Oil	19.00
Water Filter	1.00
Napa Cabin Air Filter	1.00
Cabin Air Filter	1.00
Grommet Mount Kit	3.00
Lamp	2.00
Ad Ip Dryer Cart	1.00
Used Fire X Refurbished	1.00
Repair	1.00
Distilled Water 1gal	2.00
Napa Antifreeze Gal	4.00
Sq Tube 304ss	4.00
Radiator Hose Top	1.00
Adaptor Cooling System	1.00
Pump Water	1.00
Coupling Assembly	1.00

Parts Issued	Quantity
Water Pump Coupling	1.00
Adaptor	1.00
Nipple Grease 90 Degree	1.00
Elbow 6mm	1.00
Elbow	1.00
Elbow And Hosetail	1.00
Water Manifold Assembly	2.00
Water Valve Kit	8.00
Water Jet Assembly	8.00
Сар	4.00
Washer Seal	4.00
Elbow Low Pressure Suction	1.00
Inv7110508	1.00
Hardware	1.00
spring washer	2.00
spring washer m8	14.00
large washer m8	12.00
Plain Washer	4.00
washer m10	4.00
Bolt	4.00
Hex Head Screw	2.00
Hex Head Screw M12	2.00
screw m8cx25	12.00
M12cx30 Bolt	2.00
Corrosion X	1.00
F Pump Strainer	1.00
Scissor-full Metal	1.00
Spray Nozzel	14.00
Water Manifold Assembly	2.00
Water Filter	12.00

Work Ordor: 1006052	Motor: 25562		In Date: 06/07/2010	Closed: 06/14/2010
Hours: 57.00	Comm: 0.00	Labor: 3,819.00	Parts: 33,387.61	Total: 37,206.61
		Freight Charge		1.00
		Freight Charge		1.00
		Shop Supplies		1.00
		Parts Issued		Quantity

Work Order: 1906052 Meter: 35562 In Date: 06/07/2019 Closed: 06/14/2019

Problem: All Brooms

Work Completed		Parts Issued		Quantity					
 Replace all brooms and water filter Clean out water jets and repaired damaged Rr fender Test run Shop Supplies 		Main Broom johnson gutter broom Filter Housing Shop Supplies		1.00					
				2.00 2.00 1.00					
					Hours: 9.00	Comm: 0.00	Labor: 603.00	Parts: 878.30	Total: 1,481.30

Work Order: 1906807 Meter: 36174 In Date: 06/28/2019 Closed: 07/05/2019

Problem: Repair no start

Work Completed		Parts Issued		Quantity
- Repair by Pats Pump		Service Work		1.00
- Shop Supplies		Shop Supplies		1.00
Hours: 0.00	Comm: 0.00	Labor: 0.00	Parts: 394 88	Total: 394 88

Palm Beach County Fleet Management Asset Maintenance History 10195213 2015 JOHNSON VT801 Street Sweeper, 10 Yd, 33,000 Gvwr

Work Order: 1907422 Meter: 36734 In Date: 07/18/2019 Closed: 08/14/2019

Problem: Mud Flap

Work Completed

- R&r right side fender and broken bracket. order parts
- R&r water manifold assembly. replace feed hosesto block. replace air fittings
- replace brooms and water filter
- order center broom bearings. order manifold.
- test run
- Shop Supplies

Parts Issued		Quantity
Main Broom		1.00
johnson gutter broor	m	2.00
Permatex		2.00
Housing Bearing Wsł	b	1.00
Labyrinth Bearing		1.00
Bearing		2.00
Bearing		1.00
Circlips External		1.00
O Ring		1.00
Water Manifold Assy		1.00
30 175 Nat Cable Tie		1.00
Hose Clamp		10.00
1/2 clear vinyl tube		19.00
Filter Housing		2.00
check valve		20.00
elbow		20.00
rear wing fixing kit		2.00
mud wing		2.00
Shop Supplies		1.00
Freight Charge		1.00
Freight Charge		1.00
Freight Charge		1.00
Labor: 938.00	Parts: 15,088.96	Total: 16,026.96

Hours: 14.00 Comm: 0.00

Palm Beach County Fleet Management Asset Maintenance History 10195213 2015 JOHNSON VT801 Street Sweeper, 10 Yd, 33,000 Gvwr

Work Order: 1909524 Meter: 38706 In Date: 09/17/2019 Closed: 10/17/2019

Problem: Strobes

Work Completed		Parts Issued		Quantity
- Repair Ls strobe		Strobe Lp Led		4.00
- Pm - Service Aps - Service Ac - Replace Rs broom - Replace Rs rear fender, brackets, and mud flap - Install water filters and plumbed housings. Flushed system - Pulled and cleaned water jets To Mako - Test run		15-40 Oil		42.00
		Napagold Oil Filter		1.00
		Air Fltr		1.00
		Napa Gold Fuel Filter		1.00
		Washer Fluid Concentr		1.00
		Wiper Blade		2.00
		Non-chlor Brake Clnr		3.00
		Napagold Oil Filter		1.00
		Napagold Air Filter		1.00
- Shop Supplies		Napagold Air Filter		1.00
		Napagold Fuel Filter		1.00
		Fuel Filter (gold)		1.00
		Napa Cabin Air Filter		1.00
		Cabin Air Filter		1.00
		johnson gutter broo	m	1.00
		mud wing		1.00
		Hose Made Mako		1.00
		Shop Supplies		1.00
		Freight Charge		1.00
Hours: 38.00	Comm: 0.00	Labor: 2,774.00	Parts: 1,884.06	Total: 4,658.0

Work Order: 1910010 Meter: 38982 In Date: 09/24/2019 Closed: 09/27/2019

Problem: LRO and LRI flat repair

Work Completed

- Tire Service He - Lro and Lri flat repair

Hours: 0.00 Comm: 101.96 Labor: 0.00 Parts: 0.00 Total: 101.96

Palm Beach County Fleet Management Asset Maintenance History 10195213 2015 JOHNSON VT801 Street Sweeper, 10 Yd, 33,000 Gvwr

Work Order: 1910011 Meter: 38982 In Date: 09/27/2019 Closed: 09/27/2019

Problem: LRO replace LRI repair

Work Completed

- Tire Service He - Lro replace Lri repair

Hours: 0.00 Comm: 432.89 Labor: 0.00 Parts: 0.00 Total: 432.89

Palm Beach County Fleet Management Asset Maintenance History 10195213 2015 JOHNSON VT801 Street Sweeper, 10 Yd, 33,000 Gvwr

Work Order: 1910255 Meter: 39125 In Date: 10/03/2019 Closed: 11/05/2019

Problem: Rear engine overheating

Work Completed	Parts Issued		Quantity	
- Replace water pump, thermostate, and hoses. Pulled and cleaned coolers	Thermostat		1.00	
- Flush Hyd. coolers	Gasket		1.00	
- Service gear box	Water Pump	Water Pump		
- Presure wash on wash rack	Trans Temp Sender	1.00		
- Repair coolent sensor wirring	Belt		1.00	
- To Mako	Belt Tensioner		1.00	
- Test run	Radiator Hose Top		1.00	
- Shop Supplies	Hose Made Mako		1.00	
	Radiator Hose		1.00	
	Non-chlor Brake Cl	nr	13.00	
	1gal Rtu Antifreeze		6.00	
	Cable Tie		1.00	
	Marine Silicone	Marine Silicone		
	Sealant		2.00	
	Cable Tie	Cable Tie		
	Cb187f Marine-fus	е	1.00	
	Hose Made Mako		1.00	
	Hose Made Mako		1.00	
	Aw68 Hydro Fluid I	Hydr	60.00	
	1qt Syngear Oil 75	-90	12.00	
	Shop Supplies	Shop Supplies		
	Freight Charge		1.00	
Hours: 45.00 Comm: 0.00	Labor: 3,285.00	Parts: 4,131.80	Total: 7,416.8	

Work Order: 1911597 Problem: Air Leak	Meter:	40266		In Date:	11/07/2019	Closed:	11/26/2019
Work Completed			Parts Issued			Qı	uantity
- Repaired air governor and lines			Px Grey Rtv Silicone	e			1.00
- To Boca 441			Cable Tie				1.00
- To Mako			Hose Made Mako				1.00
- Repaired coolant leak			johnson gutter bro	om			2.00
- Brooms and filters			Main Broom				1.00
- Repair light			Shop Supplies				1.00
- Shop Supplies							
Hours: 13.50		Comm: 0.00	Labor: 985.50	Parts: 828	3.67	Total:	1,814.17
Work Order: 1912087 Problem: right rear outer	Meter:	40603		In Date:	11/18/2019	Closed:	11/21/2019
Work Completed							
- Tire Service vista - right rear outer							
Hours: 0.00		Comm: 27.41	Labor: 0.00	Parts: 0.0	0	Total:	27.41
Work Order: 1912196 Problem: Head light	Meter:	40713		In Date:	11/26/2019	Closed:	11/27/2019
Work Completed			Parts Issued			Qı	uantity
- Repair headlight			Boxed Capsules				1.00
- Shop Supplies			Shop Supplies				1.00
Hours: 1.00		Comm: 0.00	Labor: 73.00	Parts: 14.	16	Total:	87.16

Palm Beach County Fleet Management Asset Maintenance History 10195213 2015 JOHNSON VT801 Street Sweeper, 10 Yd, 33,000 Gvwr

Work Order: 1912409 Meter: 40856 In Date: 12/04/2019 Closed: 01/22/2020

Problem: Coolant

Work Completed		Parts Issued		Quantity
- Replace coolant hoses		Coolant Tank Kit		1.00
- Replace seat belt		Hose Clamp		5.00
- To Mako and Roads		Hose Clamp		5.00
- Clean nozzles, replace bumper guards, and filters		Hose Clamp		5.00
- Replace leaking air lines		Hose Clamp		5.00
- Test run		1gal Rtu Antifreeze		4.00
- Shop Supplies		Belt Buc		1.00
		Belt, Retracter Assy		1.00
		Blade Guide Org 3 4ir	1	1.00
		Hose		1.00
		Hose Clamp		8.00
		Shop Supplies		1.00
Hours: 16.50	Comm: 0.00	Labor: 1,204.50	Parts: 855.90	Total: 2,060.40

Work Order: 2000832 Meter: 41835 In Date: 01/24/2020 Closed: 04/03/2020

Problem: Brooms/List

Work Completed	Parts Issued	Quantity
- Replace brooms and filter 2xs	johnson gutter broom	2.00
- Replace broom cylinders and air lines	Main Broom	1.00
- Rebuild center broom bearing assembly	Hose Made Mako	1.00
- Repair electrical power to Rs door	Hose Made Mako	1.00
- Test brooms 2xs	Hose Made Mako	1.00
- Remove coolers and radiator. Presure cleaned	Purple Ice Rad Add	2.00
- Retro fit hose real	1gal Rtu Antifreeze	5.00
- Repair harness to 12v outlet	Coolent Cap	1.00
- Fab screen for radiator	cylinder assembly	1.00
- To Mako	Bearing	1.00
- Tire	O Ring	1.00
	Circlips External	1.00

- Shop Supplies

Hours: 63.50

	Parts Issued	Quantity
	Labyrinth Bearing	1.00
	Bearing	1.00
	Housing Bearing Wsb	1.00
	P Outlet	1.00
	Cable Tie	1.00
	11r22.5bstone R268	1.00
	Lisle Combustion Detector	1.00
	Flap Cylinder	3.00
	Prem Blue 15w40 1 Gal	2.00
	Aw68 Hydro Fluid Hydr	30.00
	Female Adapter	2.00
	Preform Ss Sheet	1.00
	Shop Supplies	1.00
	Tire Disposal Fee	1.00
	Freight Charge	1.00
	Freight Charge	1.00
	Freight Charge	1.00
Comm: 0.00	Labor: 4,635.50 Parts: 12,175.05	Total: 16,810.55

Hours: 0.00

Palm Beach County Fleet Management Asset Maintenance History 10195213 2015 JOHNSON VT801 Street Sweeper, 10 Yd, 33,000 Gvwr

Vork Order: 2003640 Problem: pm/brooms	Meter: 43618	In Date: 04/13/202	0 Closed : 04/22/202
Work Completed		Parts Issued	Quantity
- Pm		15-40 Oil	42.00
- Service Aps		Napagold Oil Filter	1.00
- Service Ac		Air Fltr	1.00
- Replace brooms		Napa Gold Fuel Filter	1.00
- Remove and clean all water jets		Wiper Blade	2.00
- Repair water leaks at rear of machine		Napagold Oil Filter	1.00
- Change water filters		Fuel Filter (gold)	1.00
- Test run		Napagold Air Filter	1.00
- Shop Supplies		Napagold Air Filter	1.00
		Napagold Fuel Filter	1.00
		Cabin Air Filter	1.00
		Napa Cabin Air Filter	1.00
		Main Broom	1.00
		johnson gutter broom	2.00
		Shop Supplies	1.00
Hours: 36.50	Comm: 0.00	Labor: 2,664.50 Parts: 1,219.05	Total: 3,883.55
Work Order: 2003810 Problem: DEF	Meter: 43660	In Date: 04/16/202	Closed:

Comm: 0.00

Labor: 0.00

Parts: 0.00

Total: 0.00

Palm Beach County Fleet Management Asset Maintenance History 10195213 2015 JOHNSON VT801 Street Sweeper, 10 Yd, 33,000 Gvwr

Work Order: 2003990 Meter: 43754 In Date: 04/22/2020 Closed: 05/07/2020

Problem: Head light

Work Completed		Parts Issued		Quantity
- Rr Headlights		Boxed Capsules		2.00
- Washer cap		Сар		1.00
- Shop Supplies		Shop Supplies		1.00
Hours: 1.50	Comm: 0.00	Labor: 109.50	Parts: 51.27	Total: 160.77

Work Order: 2005150 Meter: 44618 In Date: 05/21/2020 Closed: 06/05/2020

Problem: Coolant

Work Completed		Parts Issued		Quantity
- Add coolant and tested, changed res.		Napa Antifreeze 0	2.00	
- Replaced brooms		Expansion Tank		1.00
- Test run		johnson gutter br	oom	2.00
- Change out water filters		Shop Supplies		1.00
- Shop Supplies		Freight Charge		1.00
Hours: 11.00	Comm: 0.00	Labor: 803.00	Parts: 953.46	Total: 1,756.46

Work Order: 2005892 Meter: 45250 In Date: 06/15/2020 Closed: 06/15/2020

Problem: tires

Work Completed

- Tire Service jog rd - tires

Hours: 0.00 Comm: 104.96 Labor: 0.00 Parts: 0.00 Total: 104.96

Work Order: Problem:	2006780 brooms/hyd leak/water pump	Meter: 46200 leak		In Date:	07/13/2020	Closed:	07/24/2020
Work Com	pleted		Parts Issued			Qı	uantity
- R&r wate	er pump for sprayers		Main Broom				1.00
- Disassem	nble and replace bad broom mo	otor	johnson gutter broo	m			2.00
- Replace a	all 3 brooms		Danfoss Motor				1.00
- Test run			Marine Adh Seal Wh	nite			1.00
- Washed	unit		High Temperature -	56			1.00
- Cleaned	spray bar, replaced filters, and	filled from hydrant	Fittings				1.00
- Shop Sup	pplies		2k Paint				1.00
			Water Filter				10.00
			Big G Degreaser 1 G	ial			2.00
			Pump Water				1.00
			Non-chlor Brake Cln	ır			24.00
			Shop Supplies				1.00
			Freight Charge				1.00
	Hours: 35.00	Comm: 0.00	Labor: 2,555.00	Parts: 3,7	25.04	Total:	6,280.04
Work Order: Problem:		Meter: 46790		In Date:	07/31/2020	Closed:	08/05/2020
Work Com	pleted		Parts Issued			Qı	uantity
- hose			Hose Made Mako				1.00
	Hours: 0.00	Comm: 0.00	Labor: 0.00	Parts: 14.	.58	Total:	14.58
Work Order: Problem:	2007771 rear engine surging	Meter: 46931		In Date:	08/06/2020	Closed:	08/12/2020
Work Com	npleted		Parts Issued			Qı	uantity
- replace f	uel filters for aps		Fuel Filter (gold)				1.00
- test run	•		Napagold Fuel Filter	-			1.00
- Shop Sup	pplies		Shop Supplies				1.00
- 1- 3-01	Hours: 1.50	Comm: 0.00	Labor: 109.50	Parts: 40.	24	Total:	149.74

Work Order: Problem:	2008570 Shut Down	Meter:	47209		In Date:	08/26/2020	Closed:	10/28/2020
Work Com	pleted			Parts Issued			Qı	ıantity
- Install Rh	light ass			Light				1.00
- Test cooli	ing system			Boxed Miniatures				1.00
- Service A	С			Marker Light				1.00
- Install air	intake presure sensor			Rotell Elc Antifeerze				2.00
- To Rechti	en 2xs			Napa Cabin Air Filter				1.00
- Replace b	oad steering shaft			Cabin Air Filter				1.00
- Road test				Air Fltr				1.00
- Shop Sup	pplies			Temp Sensor				1.00
				steering shaft				1.00
				Shop Supplies				1.00
				1 1 4 400 50	D	F7 04	Total	0.004.44
	Hours: 19.50 2008740 Transport for with Shut Down Issue	Meter:	Comm: 0.00 47192	Labor: 1,423.50	Parts: 1,2:	08/28/2020		2,681.41
Problem: Work Com	2008740 Transport for with Shut Down Issue pleted n: Fleet He shop To: Reictien Interna	es	47192		In Date:	08/28/2020	Closed:	09/09/2020
Problem: Work Com - Tow From	2008740 Transport for with Shut Down Issue pleted n: Fleet He shop To: Reictien Interna Hours: 0.00	es utional	47192 Comm: 188.40	Labor: 1,423.50	In Date:	08/28/2020 0	Closed:	09/09/2020
Problem: Work Com - Tow From Work Order:	2008740 Transport for with Shut Down Issue pleted n: Fleet He shop To: Reictien Interna Hours: 0.00	es	47192 Comm: 188.40		In Date:	08/28/2020	Closed:	09/09/2020
Problem: Work Com - Tow From Work Order:	2008740 Transport for with Shut Down Issue pleted Transport for with Shut Down Issue pleted To: Reictien Internation Hours: 0.00 2008813 Transport to Reictien	es utional	47192 Comm: 188.40		In Date:	08/28/2020 0	Closed:	09/09/2020
Problem: Work Com - Tow From Work Order: Problem: Work Com	2008740 Transport for with Shut Down Issue pleted Transport for with Shut Down Issue pleted To: Reictien Internation Hours: 0.00 2008813 Transport to Reictien	es utional	47192 Comm: 188.40		In Date:	08/28/2020 0	Closed:	09/09/2020
Problem: Work Com - Tow From Work Order: Problem: Work Com	2008740 Transport for with Shut Down Issue pleted n: Fleet He shop To: Reictien Interna Hours: 0.00 2008813 Transport to Reictien	es utional	47192 Comm: 188.40		In Date:	08/28/2020 0 08/28/2020	Closed: Total: Closed:	09/09/2020
Work Com - Tow From Work Order: Problem: Work Com - Tow From Work Order:	2008740 Transport for with Shut Down Issue pleted Transport for with Shut Down Issue pleted 2008813 Transport to Reictien pleted Transport to Reictien Hours: 0.00	es utional	47192 Comm: 188.40 47192 Comm: 132.00	Labor: 0.00	Parts: 0.00	08/28/2020 0 08/28/2020	Total: Total: Total:	188.40 09/01/2020
Problem: Work Com - Tow From Work Order: Problem: Work Com - Tow From Work Order:	2008740 Transport for with Shut Down Issue pleted Transport for with Shut Down Issue pleted 2008813 Transport to Reictien pleted To: Reictein International Hours: 0.00 2008939 Repair high presure pump	es etional Meter:	47192 Comm: 188.40 47192 Comm: 132.00	Labor: 0.00	Parts: 0.00 In Date:	08/28/2020 0 08/28/2020 0	Total: Total: Total:	188.40 09/01/2020
Problem: Work Com - Tow From Work Order: Problem: Work Com - Tow From Work Order: Problem: Work Come	2008740 Transport for with Shut Down Issue pleted Transport for with Shut Down Issue pleted 2008813 Transport to Reictien pleted To: Reictein International Hours: 0.00 2008939 Repair high presure pump	es etional Meter:	47192 Comm: 188.40 47192 Comm: 132.00	Labor: 0.00	Parts: 0.00 In Date:	08/28/2020 0 08/28/2020 0	Total: Total: Total:	188.40 09/01/2020

Palm Beach County Fleet Management Asset Maintenance History 10195213 2015 JOHNSON VT801 Street Sweeper, 10 Yd, 33,000 Gvwr

Work Order: 2010936 Meter: 48250 In Date: 10/30/2020 Closed: 11/19/2020

Problem: Storm Water Steve, replace all broom and replace fire hydrant hose

Work Completed		Parts Issued		Quantity
- Replace hydrant hose assy		Hose Made Mako		1.00
- to mako		Main Broom		1.00
- Replace All Brooms		johnson gutter bro	oom	2.00
- found missing sprayers on the unit. replace missing spray	er tips and adjust	1cart Palladium 2	Grs	12.00
spray pattern.		Main Broom		1.00
- fill auto greaser assy.		Shop Supplies		1.00
- test run		Freight Charge		1.00
- Shop Supplies				
Hours: 9.50	Comm: 0.00	Labor: 693.50	Parts: 1,678.43	Total: 2,371.93

Palm Beach County Fleet Management Asset Maintenance History 10195213 2015 JOHNSON VT801 Street Sweeper, 10 Yd, 33,000 Gvwr

Work Order: 2011662 Meter: 49093 In Date: 11/20/2020 Closed: 12/07/2020

Problem: PM

Work Completed

- Pm

- rear aps Pm
- a/c service change and clean cabin air filters
- replace rear brake shoes, drums, seals ext
- Shop Supplies

Parts Issued	Quantity
15-40 Oil	42.00
Napagold Oil Filter	1.00
Air Fltr	1.00
Washer Fluid Concentr	1.00
Wiper Blade	2.00
Non-chlor Brake Clnr	3.00
Napagold Oil Filter	1.00
Napagold Air Filter	1.00
Napagold Air Filter	1.00
Fuel Filter (gold)	1.00
Napagold Fuel Filter	1.00
Cabin Air Filter	1.00
Napa Cabin Air Filter	1.00
Lucas 85-140 Gear Oil	1.00
Non-chlor Brake Clnr	12.00
Scotseal	2.00
Axle Gasket	2.00
Brake Shoe Kits- New	2.00
Brake Drum	2.00
Shop Supplies	1.00
Labarr 4 500 00 Danta: 4 050 40	Tatal: 0.004

Hours: 21.00 Comm: 0.00 Labor: 1,533.00 Parts: 1,358.10 Total: 2,891.10

Palm Beach County Fleet Management Asset Maintenance History 10195213 2015 JOHNSON VT801 Street Sweeper, 10 Yd, 33,000 Gvwr

Work Order: 2012584 Meter: 49093 12/17/2020 **Closed:** 12/31/2020 In Date: Problem: Ck engine light **Work Completed Parts Issued** Quantity **Shop Supplies** 1.00 Pick up from international 2xs - repair by rechtien - Shop Supplies Hours: 4.00 Comm: 0.00 Labor: 292.00 Parts: 4.00 Total: 296.00 Work Order: 2100044 Meter: 49433 In Date: 01/05/2021 **Closed:** 01/20/2021 Problem: Storm Water Cody, truck will not start battery dead it is in the roads yard **Work Completed Parts Issued** Quantity Group 31 Stud Delco 2.00 - replace both batteries, clan all individual terminal connections 11r22.5bstone R268 1.00 - to roads lot **Shop Supplies** 1.00 - check alternator voltage . 14.0v at idle Tire Disposal Fee 1.00 - test run - Tire - Shop Supplies Hours: 3.50 Comm: 0.00 Labor: 255.50 Parts: 905.25 Total: 1,160.75 Work Order: 2100149 Meter: 49569 In Date: 01/06/2021 **Closed:** 01/11/2021 Problem: Repairs @ Rechtien **Work Completed** - Engine, other Hours: 0.00 Comm: 1,625.24 Labor: 0.00 Parts: 0.00 Total: 1,625.24 Work Order: 2100204 Meter: 49618 In Date: 01/06/2021 **Closed**: 01/07/2021 **Problem:** Rt Rear tire repair **Work Completed**

- Tire Service: R&b Problem: Rt Rear tire repair

Hours: 0.00 Comm: 96.56 Labor: 0.00 Parts: 0.00 Total: 96.56

Palm Beach County Fleet Management Asset Maintenance History 10195213 2015 JOHNSON VT801 Street Sweeper, 10 Yd, 33,000 Gvwr

Work Order: 2100273 Meter: 49618 In Date: 01/08/2021 Closed: 01/13/2021

Problem: Storm Water Steve Green, turning in today to check DMI and need a Rt. Broom only

Work Completed	Parts Issued	Quantity
- R&r right curb broom	johnson gutter broom	1.00
- Operator states Dmi inop. Inspect Dmi power and signal inputs. All inputs	Shop Supplies	1.00

correct. Roads dept to have Dmi recalibrated.

- Test Run

- Found sprayers clogged on test run. Clean out clogged sprayers and align.

- Shop Supplies

Hours: 5.50 Comm: 0.00 Labor: 401.50 Parts: 183.34 Total: 584.84

Work Order: 2101398 Meter: 50460 In Date: 02/05/2021 Closed: 02/10/2021

Problem: Storm Water Cody, needs broom and rear engine is over heating

Work Completed		Parts Issued		Quantity
- Cooling System, Clean radiator fins & housing		johnson gutter bro	om	2.00
- Needs All brooms, Replace all 3 brooms		Main Broom		1.00
- Shop Supplies		Shop Supplies		1.00
Hours: 14.00	Comm: 0.00	Labor: 1,022.00	Parts: 763.89	Total: 1,785.89

Work Order: 2102018 Meter: 51047 In Date: 02/23/2021 Closed: 02/23/2021

Problem: Storm Water Cody, machine has a bad battery, it is in roads yard

Work Completed	Parts Issued	Quantity
- jump start	Shop Supplies	1.00

- Shop Supplies

Hours: 1.00 Comm: 0.00 Labor: 73.00 Parts: 4.00 Total: 77.00

Work Order: 2103286 Meter: 51992 In Date: 03/24/2021 Closed: 05/03/2021

Problem: Storm Water Steve, the Lt. Ram on the boom is leaking air

Work Completed		Parts Issued		Quantity
- Air System left side broom cylinder leaking. F	R&r cylinder, repair air lines	cylinder assembly		2.00
- test run		Shop Supplies		1.00
- Shop Supplies		Freight Charge		1.00
Hours: 7.50	Comm: 0.00	Labor: 547.50	Parts: 2,098.61	Total: 2,646.11

Palm Beach County Fleet Management Asset Maintenance History 10195213 2015 JOHNSON VT801 Street Sweeper, 10 Yd, 33,000 Gvwr

Work Order: 2105115 Meter: 52598 In Date: 05/07/2021 Closed: 05/14/2021

Problem: Brooms/PM

Work Completed		Parts Issued		Quantity
- Preventive Maint. Service		Napagold Oil Filter		1.00
- ac service / replace and clean cabin filters		Napa Gold Fuel Filt	er	1.00
- add coolant		Air Filter		1.00
- pm aps unit		Wiper Blade		2.00
- replace gutter and main brooms		Non-chlor Brake Cl	nr	3.00
- clean and repair all water jets. test sytem for f	functionality . all tips have	Cabin Air Filter		1.00
even spray pattern.	, .	Napa Cabin Air Filte	er	1.00
- test drive road test x2		Rotell Elc Antifeerze	e	2.00
- replace water filters		johnson gutter bro	om	2.00
- Shop Supplies		Main Broom		1.00
		Fittings From Make)	1.00
		15-40 Oil		16.00
		Prem Blue 15w40 1	Gal	4.00
		Napagold Oil Filter		1.00
		Fuel Filter (gold)		1.00
		Napagold Fuel Filte	er	1.00
		Al150288 A-filter In	n	1.00
		Napagold Air Filter		1.00
		Filter Element		1.00
		Shop Supplies		1.00
Hours: 23.00	Comm: 0.00	Labor: 1,679.00	Parts: 1,636.92	Total: 3,315.9

Work Order: 2106826 Meter: 54277 In Date: 06/23/2021 Closed: 06/28/2021

Problem: Storm water Steve, has a head light out

Work Completed		Parts Issued		Quantity
- Lights,headlites replace two headlight bulbs		Boxed Capsules		2.00
- Shop Supplies		Shop Supplies		1.00
Hours: 2.00	Comm: 0.00	Labor: 146.00	Parts: 24.31	Total: 170.31

Work Order: 2107204 Problem: Storm W		Meter: 54559 r a Pendent control for the bed	d to raise	In Date:	07/01/2021	Closed:	07/19/202
Work Completed			Parts Issued			Qı	uantity
•	oms and center broom		johnson gutter bro	oom			2.00
. 3	ant, install boom pendant	test system for correct	Main Broom				1.00
function.	ant, mstan boom pendant	., test system for confect	Discharge Control	Pendant			1.00
- Shop Supplies			Shop Supplies				1.00
			Freight Charge				1.00
	Hours: 7.00	Comm: 0.00	Labor: 511.00	Parts: 2,2	50.87	Total:	2,761.87
Work Order: 2107797		Meter: 55089		In Date:	07/19/2021	Closed:	07/19/202
Problem: Air leak	n the main panel. Comin	g by this morning. Mon. 7/19/2	2021				
Problem: Air leak Work Completed	n the main panel. Comin	g by this morning. Mon. 7/19/2	Parts Issued			Qı	uantity
Work Completed - Repaired air leak, A	·	r body of truck replace seal,				Qı	1.00
Work Completed - Repaired air leak, A	Air actuator leaking unde	r body of truck replace seal,	Parts Issued			Qu	•
Work Completed - Repaired air leak, and replace air line t	Air actuator leaking unde	r body of truck replace seal,	Parts Issued	Parts: 2.6	5		•
Work Completed - Repaired air leak, and replace air line to a Shop Supplies Vork Order: 2108971	Air actuator leaking under o air cylinder for right sid Hours: 3.50	r body of truck replace seal, e brush.	Parts Issued Shop Supplies	Parts: 2.6 In Date:	5 08/18/2021	Total:	1.00 258.15
Work Completed - Repaired air leak, and replace air line to a Shop Supplies Vork Order: 2108971	Air actuator leaking under o air cylinder for right sid Hours: 3.50	r body of truck replace seal, e brush. Comm: 0.00 Meter: 56082	Parts Issued Shop Supplies			Total:	1.00 258.15
Work Completed - Repaired air leak, and replace air line t - Shop Supplies Vork Order: 2108971 Problem: Storm W	Air actuator leaking under o air cylinder for right sid Hours: 3.50 Vater Steve, will turn in too	r body of truck replace seal, e brush. Comm: 0.00 Meter: 56082	Parts Issued Shop Supplies Labor: 255.50			Total:	1.00 258.15 08/19/202
Work Completed - Repaired air leak, and replace air line to shop Supplies Vork Order: 2108971 Problem: Storm Work Completed	Air actuator leaking under o air cylinder for right sid Hours: 3.50 Vater Steve, will turn in too	r body of truck replace seal, e brush. Comm: 0.00 Meter: 56082	Parts Issued Shop Supplies Labor: 255.50 Parts Issued	In Date:		Total:	1.00 258.15 08/19/202
Work Completed - Repaired air leak, and replace air line to and replace air line to shop Supplies Nork Order: 2108971 Problem: Storm Work Completed - replace all brooms	Air actuator leaking under o air cylinder for right sid Hours: 3.50 Vater Steve, will turn in too	r body of truck replace seal, e brush. Comm: 0.00 Meter: 56082	Parts Issued Shop Supplies Labor: 255.50 Parts Issued Main Broom	In Date:		Total:	1.00 258.15 08/19/202 uantity 1.00

Work Order: 2109031 Problem: Over heating	Meter:	56164		In Date:	08/19/2021	Closed:	09/27/2021
Work Completed			Parts Issued			Qı	uantity
- R/r all coolers and pressure clean.			Napa Antifreeze Gal				6.00
 Fabricate and weld plates for rear body. Cut damaged holes on body. 	out all rust	y panels and repair	Kimball Hardware Marine Adh Seal Wh	it o			1.00
- Add engine oil to aps unit.			Napa Qt 15w40	iite			4.00
- Flush hydraulic system and refill.			Al150288 A-filter Inr	2			1.00
- Replace Aps engine air filters and clean pipi	ng and filte	r hox	Napagold Air Filter	1			1.00
- Evacuate and recharge a/c system. Replace			Service Aw68				48.00
			Freon He Shop				5.00
- Repair multiple air leaks. Replace multiple air lines and fittings throughout entire air system for brakes.		Fittings And Hardwa	ro From Ma	ko		1.00	
- Replace battery for aps control panel.			Tube-nylon-black	ile i i Oili ivia	KU		10.00
- Reset service light for aps unit.			Cr1225 Battery				1.00
- Pressure wash chassis and aps unit.			3/8 Hose Repair				1.00
- Drain and fill water system 2x			Hardware				1.00
- Test run all operations and confirm not ove	rheating mu	ıltiple times.	Kimball Fittings				1.00
- Order all parts for impeller and housing etc			Shop Supplies				1.00
- Shop Supplies			Shop supplies				1.00
Hours: 81.00		Comm: 0.00	Labor: 5,913.00	Parts: 1,7	89.63	Total:	7,702.63
Vork Order: 2109965 Problem: LF tire	Meter:	56164		In Date:	09/14/2021	Closed:	09/14/202
Work Completed							
- Tire Service: He Problem: Lf tire							
Hours: 0.00		Comm: 357.35	Labor: 0.00	Parts: 0.0	0	Total:	357.35
Vork Order: 2109966 Problem: LF Tire replace	Meter:	56164		In Date:	09/14/2021	Closed:	09/14/202
Work Completed							
- Tire Service: He Problem: Lf Tire replace							
Hours: 0.00		Comm: 90.93	Labor: 0.00	Parts: 0.0	0	Total:	90.93

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Work Order: 2109975 Meter: 56164 In Date: 09/15/2021 Closed: 09/29/2021

Problem: Storm Water Steve, needs water filters

Work Completed		Parts Issued		Quantity
- Replace water filters.		Water Filter		2.00
- Shop Supplies		Shop Supplies		1.00
Hours: 1.00	Comm: 0.00	Labor: 73.00	Parts: 20.56	Total: 93.56

Work Order: 2110646 Meter: 56671 In Date: 09/30/2021 Closed: 10/01/2021

Problem: Storm Water Steve, the rear fuel filter replaced

Work Completed	Parts Issued	Quantity
- Operator states rear engine will not rev up properly. Found low fuel flow.	Napagold Fuel Filter	1.00
Replace rear fuel filters.	Filter Element	1.00
- Test Run	Shop Supplies	1.00
- Shop Supplies		

Hours: 2.50 Comm: 0.00 Labor: 182.50 Parts: 49.08 Total: 231.58

Work Order: 2111769 Meter: 57685 In Date: 10/29/2021 Closed: 11/03/2021

Problem: Storm Water Steve, need brooms all of them

Work Completed		Parts Issued		Quantity
- replace both gutter brooms and center broom		Main Broom		1.00
- test run		johnson gutter br	oom	2.00
- Shop Supplies		Shop Supplies		1.00
Hours: 5.50	Comm: 0.00	Labor: 401.50	Parts: 646.39	Total: 1,047.89

Work Order: 2111908 Meter: 57685 In Date: 11/01/2021 Closed: 11/03/2021

Problem: RRI

Work Completed

- Tire Service: vista Problem: Rri

Hours: 0.00 Comm: 90.93 Labor: 0.00 Parts: 0.00 Total: 90.93

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Work Order: 2111909 Meter: 57685 In Date: 11/03/2021 Closed: 11/03/2021

Problem: Tire

Work Completed

- Tire Service: He Problem: Tire

Hours: 0.00 Comm: 405.67 Labor: 0.00 Parts: 0.00 Total: 405.67

Work Order: 2112250 Meter: 58036 In Date: 11/16/2021 Closed: 11/29/2021

Problem: Water Leak

Work CompletedParts IssuedQuantity- find water leak, found discharge hose from high pressure pump leaking replace high pressure water line from pump to manifold along chassisHose Made Mako1.00Shop Supplies1.00

- test run

- to and from make + wait time

- Shop Supplies

Hours: 8.00 Comm: 0.00 Labor: 584.00 Parts: 116.96 Total: 700.96

Work Order: 2113217 Meter: 58643 In Date: 12/15/2021 Closed: 12/15/2021

Problem: Air leak

Work CompletedParts IssuedQuantity- Replace broken air fitting on right side broom. No parts billShop Supplies1.00- Shop Supplies

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

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Work Order: 2113364 Meter: 58812 In Date: 12/17/2021 Closed: 01/03/2022

Problem: PM Service. and brooms if needed will turn in tomorrow/ RS & Center

Work Completed		Parts Issued	Quantity
- Preventive Maint. Service		15-40 Oil	16.00
- a/c service clean and replace all cabin filters		Napagold Oil Filter	1.00
- pm rear aps unit.		Napagold Oil Filter	1.00
replace brooms gutter and center .		Fuel Fil	1.00
diag caged brake chamber, replace both rear b	orake chambers.	Air Fltr	1.00
test drive road test		Napa Gold Fuel Filter	1.00
replace clogged sprayer tips.		Non-chlor Brake Clnr	3.00
to make and back , + wait time		Napa Cabin Air Filter	1.00
replace water filters.		Cabin Air Filter	1.00
- Shop Supplies		Prem Blue 15w40 1 Gal	5.00
		Napagold Air Filter	1.00
		Napagold Air Filter	1.00
		Filter Element	1.00
		Napagold Fuel Filter	1.00
		Fuel Filter (gold)	1.00
		Main Broom	1.00
		johnson gutter broom	2.00
		Brake Chamber	2.00
		Hose Made Mako	1.00
		Water Filter	10.00
		Shop Supplies	1.00
Hours: 24.50	Comm: 0.00	Labor: 1,788.50 Parts: 1,661.46	Total: 3,449.

Work Order: Problem:		Meter: 59510		In Date:	01/14/2022	Closed:	02/16/2022
Work Com			Parts Issued			Qı	uantity
- Replace a	- air check valve and fittings for	broom air cylinder. Order more	check valve				5.00
fittings.	an eneek varve and nearigs for	order more	elbow				5.00
- Repair st	orage box latches. Reattached	I and sealed handles.	Shop Supplies				1.00
- Repair w	ater leak at suction tubes. Rep	lace lines and clean nozzles.	Freight Charge				1.00
- Shop Sup	oplies						
	Hours: 8.00	Comm: 0.00	Labor: 584.00	Parts: 1,1	67.89	Total:	1,751.89
Work Order: Problem:	2200879 Bumper Guards	Meter : 59957		In Date:	01/26/2022	Closed:	01/27/2022
Work Com	pleted		Parts Issued			Qı	uantity
- replace n	narker lights		36" Guides Safety	Marker			1.00
- Shop Sup	J. Company		Shop Supplies				1.00
	Hours: 1.00	Comm: 0.00	Labor: 73.00	Parts: 30.	62	Total:	103.62
Work Order: Problem:	2201606 Storm water Steve, turn in o	Meter: 60743 r brooms all the way around		In Date:	02/11/2022	Closed:	02/15/2022
Work Com	pleted		Parts Issued			Qı	uantity
- Replace I	Both Gutter Brooms And Cent	er Main Broom.	Main Broom				1.00
- Shop Sup			johnson gutter bro	oom			2.00
			Shop Supplies				1.00
	Hours: 6.00	Comm: 0.00	Labor: 438.00	Parts: 798	3.18	Total:	1,236.18
Work Order: Problem:	2201875 Storm Water Steve, need a I	Meter: 60863 Rt. side air fitting		In Date:	02/18/2022	Closed:	02/18/2022
Work Com	pleted		Parts Issued			Qı	uantity
- Road tes	t		Shop Supplies				1.00
- Remove	& replace air line fitting						
- Shop Sup	oplies						
	Hours: 2.00	Comm: 0.00	Labor: 146.00	Parts: 2.6	5	Total	148.65

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Work Order: 2202065 Meter: 60958 In Date: 02/24/2022 Closed: 03/07/2022

Problem: Loss of Air Pressure

Work Completed	Parts Issued		Quantity	
- Belts	Syn-atf Trans Flui	Syn-atf Trans Fluid S Napa Trans Filter		
- Transmission Service	Napa Trans Filter			
- Scan Dtc P0897 Transmission fluid Deteriorated, Spn1087 Primary air tanl	Non-chlor Brake	Non-chlor Brake Clnr		
sensor reading low, clear codes after repair	Tensioner		1.00	
- Shop Supplies	Ilder Pulley		2.00	
	Belt		1.00	
	Belt		1.00	
	Shop Supplies		1.00	
Hours: 0.00 Comm: 0.00	Labor: 0.00	Parts: 1,031.79	Total: 1,031.79	

Work Order: 2202242 Meter: 60958 In Date: 02/23/2022 Closed: 02/28/2022

Problem: Loss of Air Pressure

Work Completed

- Tow From: Nb on Jog just north of Summit Blvd To: He shop

Hours: 0.00 Comm: 226.00 Labor: 0.00 Parts: 0.00 Total: 226.00

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Work Order: 2202649 Meter: 61092 In Date: 03/09/2022 Closed: 05/16/2022

Problem: Bent suction bracket

Nork Completed	Parts Issued	Quantity
- Bent suction bracket. Straighten out/weld and fabricate damaged	Carriage Welded Assembly	1.00
components. Replace lift cylinder and air lines for suction tube.	Nozzle Drawbar Welded Assy	1.00
- Reprogram rear engine	Bushing	2.00
- R/r left side broom motor.	Wheel	2.00
- Shop Supplies	Eye Sweep Gear	2.00
	Spacer Nozzle	2.00
	Tow Eye	1.00
	Pin Welded Assembly	1.00
	gutter brush motor	2.00
	Flap Cylinder	2.00
	Finger Valve	2.00
	Male Coupler	2.00
	Lock	3.00
	Door Handle Side Door	3.00
	Bump Stop Rubber	3.00
	Spindle	3.00
	Washer	3.00
	Сар	4.00
	spring clip	4.00
	intake flap	4.00
	Shop Supplies	1.00
	Freight Charge	1.00
Hours: 36.00 Comm: 0.00	Labor: 2,628.00 Parts: 10,322.45	Total: 12,950.4

Problem: Repair blower

Work Completed	Parts Issued	Quantity
	Parts And Labor	1.00
	Hose Made Mako	1.00

- Impeller was found to be disintegrating. Drain fuel tank and remove impeller housing to access impeller. Rebuild impeller housing and weld in fabricated components to seal all damaged areas. Replace impeller with coupler and seals.
- Reflash Ecm by Pat's pump
- No operation from right side broom tilt motor. Check power source and wiring for tilt operation. Tilt motor has internal open. R/r tilt motor.
- Suction trunk nozzles were found with severe deterioration. Replace left and right side rubber trunk nozzles.
- Rear internal strainer gate inside dump body was found hanging with broken hinge. Remove gate and weld hinge back on. Reinstall and replace all lynch pins securing gate.
- Internal vacuum tube flaps were found with excessive holes causing tubes not to seal. Remove and replace both internal flaps. Cut off securing pins and install new locking hardware.
- Auto greaser found empty. Replace auto greaser fill port fitting and fill auto greaser. Perform test operation.
- Found cooling system for aps to have a leak at lower coolant supply hose. Replace line and fill system. Test for leaks.
- Shop Supplies

Parts Issued	Quantity
Spray Paint	1.00
Primer	1.00
Gl. Blac	1.00
Px Red Threadlocker	1.00
Px Blue Threadlocker	1.00
Marine Adh Seal White	2.00
Permatex	2.00
Rubber Nozzle Set Up Nozzle Set	2.00
suction seal	2.00
thin nut m8	1.00
hex screw m8cx20	1.00
Seal Radiator Top	1.00
Seal Radiator Rear	1.00
Seal	1.00
Seal Raddiator Front	1.00
Retaining Strip Top	1.00
Retaining Strip Rear	1.00
Male Coupler	2.00
Seal	2.00
Intake Duct Seal	4.00
seal	1.00
seal	4.00
seal	1.00
support	2.00
isolating pad fuel tank	2.00
isolating pad	1.00
Cable Tie	1.00
Lucas Red-tacky Grs	4.00
Rotell Elc Antifeerze	2.00
Shop Supplies	1.00

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Hours: 54.00 Comm: 0.00 Labor: 3,942.00 Parts: 3,544.93 Total: 7,486.93

Work Order: 2206379 Meter: 61310 In Date: 06/16/2022 Closed: 06/21/2022

Problem: Storm Water Steve, need coolant in rear engine

Work Completed		Parts Issued		Quantity	
- low coolant exar	nined rear motor for leaks	none found topped off coolant	1gal Rtu Antifree	ze	1.00
• • • • • • • • • • • • • • • • • • • •		Shop Supplies		1.00	
	Hours: 1.00	Comm: 0.00	Labor: 73.00	Parts: 11.84	Total: 84.84

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Work Order: 2206543 Meter: 61310 In Date: 06/22/2022 Closed: 07/18/2022

Problem: pm/brooms/low coolant

Hours: 23.00

Work Completed	Parts Issued	Quantity
- Preventive Maint. Service	Napagold Oil Filter	1.00
- Pm rear engine	Napagold Oil Filter	1.00
- Road test	Napagold Fuel Filter	1.00
- Service A/c system	Fuel Filter (gold)	1.00
- Replace Center broom & Gutter brooms	Napagold Air Filter	1.00
- Service power steering pump, Drain fluid change filter & refill	Air Fltr	1.00
- Add Coolant and clean radiator fins, rear engine	Napa Gold Fuel Filter	1.00
- Replace Amber marker lights	Non-chlor Brake Clnr	3.00
- Remove & replace curtain flaps	Washer Fluid Concentr	1.00
- Shop Supplies	Wiper Blade	2.00
	mudflap	2.00
	Napa Cabin Air Filter	1.00
	Cabin Air Filter	1.00
	johnson gutter broom	2.00
	Main Broom	1.00
	Power Steering Filter Replace 7191	1.00
	Psf Qt	3.00
	1gal Rtu Antifreeze	3.00
	Clearance Light	2.00
	15-40 Oil	36.00
	Used Fire X Refurbished	1.00

Comm: 0.00

Shop Supplies

Labor: 1,679.00

Parts: 1,597.44

1.00

Total: 3,276.44

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Work Order: 2206757 Meter: 61310 In Date: 06/22/2022 Closed: 06/27/2022

Problem: Iro, rf

Work Completed

- Tire Service: vista Problem: Iro, rf

Hours: 0.00 Comm: 1,059.06 Labor: 0.00 Parts: 0.00 Total: 1,059.06

Work Order: 2207138 Meter: 61680 In Date: 07/08/2022 Closed: 07/11/2022

Problem: Fuel filter

Work Completed Parts Issued Quantity Fuel Filter (gold) 1.00 - Fuel System, change fuel filters Napagold Fuel Filter 1.00 - Shop Supplies **Shop Supplies** 1.00 Hours: 1.50 Comm: 0.00 Labor: 109.50 Parts: 34.80 Total: 144.30

Work Order: 2207509 Meter: 61310 In Date: 07/19/2022 Closed: 07/27/2022

Problem: Blower System

Work Completed

- Install Over flow coolant tank

- Add coolant

- Blower parts (wo-2204496)

- Shop Supplies

Parts Issued	Quantity
Hex Head Screw M3cx208.8	1.00
nozzle trunking 250mm	4.00
gutter brush motor	1.00
Duck Inlet	1.00
fancase inlet	1.00
Pneumatic Cylinder	1.00
fan impeller assembly	1.00
Retaining Strip	1.00
Retaining Stripe Front	1.00
fan case	1.00
Expansion Tank	1.00
1gal Rtu Antifreeze	3.00
Shop Supplies	1.00
Freight Charge	1.00
Lahor: 255 50 Parts: 17 722 33	Total: 17 977

Hours: 3.50 Comm: 0.00 Labor: 255.50 Parts: 17,722.33 Total: 17,977.83

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Work Order: 2207859 Meter: 61310 In Date: 07/28/2022 Closed: 08/31/2022

Problem: Brake Chamber

Work Completed		Parts Issued		Quantity
- Brakes, Rear Only Rr brakes on rear		Scotseal		2.00
- Aps air filters		Brake Shoe Kits- N	ew	2.00
 - Rr damaged broom o right side of johnston - Replace fender/flaps - Rr Axles seals take differential axles out - Rr Air chamber brackets and brake chambers 		Axle Gasket		2.00
		Brake Chamber		2.00
		Non-chlor Brake Cl	nr	12.00
		Napagold Air Filte	r	1.00
- Drain and fill differential		Napagold Air Filter		1.00
- Rear brake lines leaking rr air lines on top of	rear diff	Lucas 85-140 Gear Oil		4.00
- Multiple test runs adjusting front and rear br	rakes	Bracket Chamber		1.00
- Shop Supplies		Drum		2.00
		Spider		1.00
		Adjuster		1.00
		Camshaft Rh		1.00
		Camshaft Lh		1.00
		Bracket Chamber		1.00
		Spider		1.00
		johnson gutter bro	om	1.00
		rear wing fixing kit mud wing		2.00
				2.00
		Self Etching Primer		2.00
		Shop Supplies		1.00
		Freight Charge		1.00
Hours: 42.00	Comm: 0.00	Labor: 3,066.00	Parts: 3,989.37	Total: 7,055.3

Work Order: 2209003 Meter: 62467 In Date: 08/26/2022 Closed: 11/15/2022

Problem: Possible oil leak in the rear engine. Thank you

Work Completed	Parts Issued	Quantity
- diag oil leak from rear engine . degrease and clean area surrounded by oil.	Mobil Dte Iso46 5gal	1.00
let dry and operate machine . no fluid visually seen .	Syn Gear Oil 75w90 Qt	4.00

- during evaluation, found that aps was not making any vacuum and the impeller was not operating at normal speed. inspect area and found fluid covering the fluid coupling converter.
- drain rear aps fuel tank.
- remove all fuel lines and rear fuel tank from frame. remove fuel filter housing an hoses also .
- remove all bolts from primary fan case cover and remove fan case cover.
- remove secondary main fan case to access gear box .
- remove fan blade from fan housing.
- remove entire exhaust system for aps unit prior to gearbox removal.
- remove gear box from bell housing.
- remove old damaged fluid coupling . remove all spacers and rings . inspect bearing and seals behind coupling .damages found
- diag cracked flywheel for coupling, replace for new. also install fresh bearings and seals for fluid coupling prior to re installation.
- re install fluid coupling and spacer rings. torque all bolt to manufacturer spec. also install new o ring for coupling . fill coupling to correct level and fluid type.
- re install gear box. grease splines with provided kluber paste. prep area for fan case reinstallation. fill gear box to correct level with correct fluid type.
- re install exhaust system .
- re install fan impeller . grease splines generously with provided paste. torque all fan bolts to dealer spec .
- re install secondary fan case housing. prep surface for silicon application. apply silicone on sealing surface area.
- install primary fancase, make sure silicone sealant meshes with sealed area correctly.
- re fill rear fuel tank .re attach fuel lines and filter housing.
- drain and refill oil.
- test drive road test multiple times. no issues found machine operating well
- replace water filters.
- diag broke water nozzle replace nozzle ends and , glue together cracked housing. test system no issues found.

Parts Issued	Quantity
11r225 Yokohama	1.00
Gearbox Fan Drive	1.00
Fluid Coupling	1.00
Bearing 30x62x16	1.00
Spacer Ring	1.00
Spacer Nylon	6.00
Bolt	6.00
Safety Cover	2.00
spring washer m10	12.00
Washer	20.00
Socket Cap Screw	20.00
Bolt	6.00
Seal Oil	1.00
Flywheel	1.00
Prem Blue 15w40 1 Gal	4.00
Shop Supplies	1.00
Freight Charge	1.00
Freight Charge	1.00

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- Shop Supplies

Hours: 51.50 Comm: 0.00 Labor: 3,759.50 Parts: 25,284.75 Total: 29,044.25

Work Order: 2209010 Meter: 62272 In Date: 08/29/2022 Closed:

Problem: oil leak rear engine

Work Completed

-

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

Work Order: 2209136 Meter: 62272 In Date: 08/19/2022 Closed: 08/30/2022

Problem: LRIO 8/22 AM

Work Completed

- Tire Service: He Problem: Lrio 8/22 Am

Hours: 0.00 Comm: 183.06 Labor: 0.00 Parts: 0.00 Total: 183.06

Work Order: 2210773 Meter: 62835 In Date: 10/20/2022 Closed: 12/19/2022

Problem: Storm Water Steve, machine has a water leak under the bed and need brooms all three

Work Completed	Parts Issued	Quantity
- Replace all brooms.	Main Broom	1.00
- Operator states water leak. Found worn through hose. Replace water	johnson gutter broom	2.00
supply hose with surplus hose.	Napagold Fuel Filter	1.00
- Aps check engine light on. Connect scan tool. Code 1347 fuel pump not	Water Sep Housing	1.00
responding or out adjustment present. Perform diagnostics. Everglades to	Filter Element	1.00
come out for further diag.	Shop Supplies	1.00

- Aps fuel filter leaking at housing. R&r fuel filter and housing assy. Bleed air from fuel lines.
- Everglades needs water separator replaced as part of their repair. R&r water separator.
- Work with Everglades tech to diag unit and operate unit for repair procedures.
- Test Run
- Shop Supplies

Hours: 20.00 Comm: 3,175.98 Labor: 1,460.00 Parts: 1,185.16 Total: 5,821.14

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Problem: Storm Water Steve, door rt control panel came off and brooms all the way around.

Work Completed		Parts Issued		Qu	ıantity
operator states control panel door len on round door to be missing		johnson gutter broom			2.00
		Main Broom			1.00
corrosion and debris will cause more damage then good. Installed Latch on				1.00	
top of door in order for it to be secure an - Replaced Brooms Center broom and gutter brooms		Shop Supplies			1.00
- Shop Supplies					
Hours: 11.00 Com	m: 0.00	Labor: 803.00	Parts: 882.52	Total:	1,685.52

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Problem: PM/rear engine running hot and Lt. lower spray nozzle is broken

Work Completed		Parts Issued	Quantity
- Preventive Maint. Service		Used Fire X Refurbished	1.00
- Pm rear egine		15-40 Oil	52.00
- Road test		Fuel Fil	1.00
- Service A/c system		Napagold Fuel Filter	1.00
- Service power steering pump		Napa Gold Fuel Filter	1.00
- Replace center broom & Gutter brooms		Filter Element	1.00
- Remove & replace lower spray nozzle		Napagold Air Filter	1.00
- Remove radiator cover & clean cooling fins		Air Fltr	1.00
- Shop Supplies		Napagold Air Filter	1.00
		Napagold Oil Filter	1.00
		Napagold Oil Filter	1.00
		Non-chlor Brake Clnr	3.00
		Washer Fluid Concentr	1.00
		Wiper Blade	2.00
		Power Steering Filter	1.00
		Tran Flu Qt Dexron3i	2.00
		johnson gutter broom	2.00
		Main Broom	1.00
		Cabin Air Filter	1.00
		Napa Cabin Air Filter	1.00
		Shop Supplies	1.00
Hours: 18.00	Comm: 0.00	Labor: 1,314.00 Parts: 1,479.64	Total: 2,793.64

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Work Order: 2303968 Meter: 65380 In Date: 04/21/2023 Closed: 04/27/2023

Problem: Brooms, BU alarm, Flashers

Work Completed		Parts Issued		Quantity
- Remove & replace center broom and gutter brooms		Main Broom		1.00
- Install Back up alarm & rewire		johnson gutter bro	oom	2.00
- Replace Flasher bulb		Alarm		1.00
- Lh Headlight lens assy.		Boxed Miniatures		1.00
- Rh headlight lens assy.		head light		1.00
- Road test		Head Light Assy		1.00
- Shop Supplies		Shop Supplies		1.00
Hours: 12.00	Comm: 0.00	Labor: 876.00	Parts: 1,996.80	Total: 2,872.80

Work Order: 2304378 Meter: 65394 In Date: 05/02/2023 Closed: 05/05/2023

Problem: Storm Water Steve, wash out real need to be replace

Work Completed		Parts Issued		Quantity
- Install Hose reel assy.		Hose Mako Hose		1.00
- Shop Supplies		Shop Supplies		1.00
Hours: 4.50	Comm: 0.00	Labor: 328.50	Parts: 815.57	Total: 1,144.07

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Work Order: 2306030 Meter: 66984 In Date: 06/16/2023 Closed: 07/05/2023

Problem: Storm Water Steve, rear engine filters

Work Completed	Parts Issued	Quantity
- diag hot running Aps unit , found clogged radiator, oil cooler, and charge air cooler , remove all coolers and cooler brackets . clean and wash all	ge Belt Tensioner	1.00
	Drive Belt	1.00
coolers multiple times.soak in degreaser, reinstall cooling packs. with all bracketry and hoses.	Water Pump	1.00
- drain and refill coolant for Aps unit.	Thermostat	1.00
·	r89944	1.00
 drain and refill hydraulic fluid. replace Aps unit belt and tensioner.remove sized bolt from belt tensioner. clean thread holes and apply anti seize prior to new tensioner installation. 	Gasket	1.00
	1 Dt A tf	6.00
- diag damaged fan blade on Aps unit remove and replace fan assembly	Fan Blade	1.00
.remove belt , reinstall belt	johnson gutter broom	2.00
- remove and replace Aps unit water pump remove old gasket material or	n Main Broom	1.00
mating surface . clean profusely, reinstall new water pump with gasket and	I A Alulli Aliti-Seize Lu	1.00
apply light silicone. changed out thermostat for new. replace all sealing orings and gaskets.	Purple Ice Rad Add	1.00
- change brooms . sides and middle section.	Aw68 Hydro Fluid Hydr	10.00
- wash all oil and debris from Aps unit accessories after work performed	Shop Supplies	1.00
- test drive road test x2 .	Freight Charge	1.00
- Shop Supplies		
Hours: 29.50 Comm: 0.00	Labor: 2,153.50 Parts: 2,415.50	Total: 4.569

Work Order: 2307558 Meter: 65468 In Date: 07/28/2023 Closed: 08/02/2023

Problem: Storm Water Steve, need brooms all the around

Work Completed		Parts Issued		Quantity
- Remove & replace All Brooms		Main Broom		1.00
- Road test		johnson gutter bro	oom	2.00
- Shop Supplies		Shop Supplies		1.00
Hours: 5.50	Comm: 0.00	Labor: 401.50	Parts: 871.45	Total: 1.272.95

Palm Beach County Fleet Management Asset Maintenance History 10195213 2015 JOHNSON VT801 Street Sweeper, 10 Yd, 33,000 Gvwr

Work Order: 2308540 Meter: 68612 In Date: 08/25/2023 Closed:

Problem: PM Service bed will not go up

Work Completed

-

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

Work Order: 2308681 Meter: 68895 In Date: 08/29/2023 Closed: 12/14/2023

Problem: PM Service, and bed will not raise up

Problem: PM Service, and bed will not raise up	
Work Completed	Parts
- Preventive Maint. Service	Napag
- Aps Pm Service.	Napag
- Ac Service. Replace filters and clean evaporator coil case. Vaccuum all debris from case.	Fuel F
- Replace parking brake air switch under dash. Diag for bed not operating.	Napag Napag
- Replace both gutter and center broom. Remove wound up wire stuck onto center broom motor.	Cabin
- Replace multiple water and air lines from under dump body for sprayers and air cylinders.	Cabin Main
- Replace gutter and center broom curtains. Replace suction nozzle rubber kits on both sides. Cut and replace all rusted hardware.	johnso 15-40
- Replace water filters and hosing o ring seals.	Motor
- Replace batteries due to failing load test.	Stictio
- Refill auto greaser and test operation.	Brake
- Shop Supplies	Wash
	Wiper
	15-40
	Napag
	Napa

Parts Issued	Quantity
Napagold Oil Filter	1.00
Napagold Fuel Filter	1.00
Fuel Filter (gold)	1.00
Napagold Air Filter	1.00
Napagold Air Filter	1.00
Cabin Air Filter	1.00
Cabin Air Filter	1.00
Main Broom	1.00
johnson gutter broom	2.00
15-40 Oil	19.00
Motor Treatment Gal	1.00
Stiction Elimint 32oz	1.00
Brake Parts Cleaner	8.00
Washer Fluid Concentr	1.00
Wiper Blade	2.00
15-40 Oil	32.00
Napagold Oil Filter	1.00
Napa Gold Fuel Filter	1.00
Air Fltr	1.00
Switch	1.00
Hose Made Mako	1.00
3m Vinyl Elect Tape	1.00

Palm Beach County Fleet Management Asset Maintenance History 10195213 2015 JOHNSON VT801 Street Sweeper, 10 Yd, 33,000 Gvwr

Parts Issued	Quantity
Wd40 Spr	1.00
M18x1.5 Plug Tap	1.00
curtain rubber	2.00
rubber curtin	1.00
Water Filter	4.00
Water Filter O-ring Set	4.00
Group 31 Stud Delco	3.00
Shop Supplies	1.00
Labor: 2,190.00 Parts: 2,797.50	Total: 4,987.50

Work Order: 2311674 Meter: 68612 In Date: 11/16/2023 Closed: 11/27/2023

Comm: 0.00

Problem: Tires: LFAI; Flat. Replace Tire

Work Completed

- Tire Service: vista Problem: Tires: Lfai; Flat. Replace Tire

Hours: 30.00

Hours: 0.00 Comm: 553.32 Labor: 0.00 Parts: 0.00 Total: 553.32

Palm Beach County Fleet Management Asset Maintenance History 10195213 2015 JOHNSON VT801 Street Sweeper, 10 Yd, 33,000 Gvwr

Work Order: 2312308 Meter: 68872 In Date: 12/13/2023 Closed: 06/10/2024

Problem: Storm Water Steve, rear engine coolant line is leaking

Problem. Storm water Steve, rear engine coolant line is leaking		
Work Completed	Parts Issued	Quantity
- Aps unit overheating - 4/23 top off coolant, pressure test, tighten hose	Napa Antifreeze Gal	3.00
	Freon He Shop	3.00
- Ac system not cooling. Test system and replace Schrader valves. Recharge	Blade Guide Org 3 4in	1.00
system.	Ignition Switch	1.00
- Replace bumper Pogo sticks.	Lock Kit	1.00
- Hydraulic leak - found overheat plug in coupler out. gear box leaking for blower. Lift cylinder leaking.	Cylinder	1.00
- Operator states ignition switch broken, ordered ignition switch along with	Pivot Assembly	1.00
new key cylinders re keyed asset including replacing the spare key in the	Shop Supplies	1.00
office. removed dash assembly and disassembled doors to replace key cylinders	Freight Charge	1.00

- thoroughly wash out radiator and coolers

- hyd driven pressure water pump bracket broke

- Shop Supplies

Hours: 13.00 Comm: 0.00 Labor: 949.00 Parts: 7,343.85 Total: 8,292.85

Work Order: 2401028 Meter: 69736 In Date: 01/29/2024 Closed: 01/31/2024

Problem: Storm water Steve, needs brooms

Work Completed		Parts Issued		Quantity
- Operator states they need new brooms, replace both side and center brooms, debris stuck in both sides, cut out debris, install brooms and test		Main Broom johnson gutter broom		1.00
				2.00
- Shop Supplies	Shop Supplies			1.00
Hours: 5.00	Comm: 0.00	Labor: 365.00	Parts: 893.03	Total: 1,258.03

Work Order: 2401966

Palm Beach County Fleet Management Asset Maintenance History 10195213 2015 JOHNSON VT801 Street Sweeper, 10 Yd, 33,000 Gvwr

02/23/2024 **Closed**: 03/29/2024

In Date:

Meter: 70544

Work Completed		Parts Issued		Quantity					
- To Mako plus wait - Fill water compartments and test run all operations.		Hose Made Mako		1.00					
		Push Mount Cable Zips 30 175 Nat Cable Tie Flap Cylinder		1.00 1.00 1.00					
					service.		Shop Supplies		1.00
					- Shop Supplies		Freight Charge		1.00
Hours: 15.00	Comm: 0.00	Labor: 1,095.00	Parts: 1,897.86	Total: 2,992.86					

Work Order: 2403189 Meter: 70544 In Date: 03/29/2024 Closed: 04/11/2024

Problem: cylinder, needs a set of brooms, will turn in Friday

Work Completed		Parts Issued		Quantity
 Previous visit found leaking air cylinder replacing on visit now Operator states replace all brooms replaced center broom found debris wrapped around motor. removed tangled debris off motors Refill autogreaser Shop Supplies 		Water Filter		4.00
		johnson gutter broom		2.00
		Main Broom		1.00
		Water Filter O-ring Set Shop Supplies		4.00
				1.00
Hours: 9.50	Comm: 0.00	Labor: 693.50	Parts: 949.22	Total: 1,642.72

Work Order: 2404404 Meter: 71175 In Date: 03/29/2024 Closed: 05/02/2024

Problem: Tires: RRAI;RRAO; Flat. Replace Tire

Work Completed

- Tire Service: He shop Problem: Tires: Rrai;rrao; Flat. Replace Tire

Hours: 0.00 Comm: 925.18 Labor: 0.00 Parts: 0.00 Total: 925.18

Work Order: 2406456 Meter: 68872 In Date: 07/03/2024 Closed: 07/31/2024

Problem: Transition Prep Charge

Work Completed

- Transition Prep Charge

Palm Beach County Fleet Management Asset Maintenance History 10195213 2015 JOHNSON VT801 Street Sweeper, 10 Yd, 33,000 Gvwr

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

Total Hours: 1,766.40 Total Labor: 119,719.00 Total Comm: 44,981.21 Total Parts: 306,158.96