

1/8/2024  
6:59:42 PM

**Palm Beach County Fleet Management Asset Maintenance History**  
**10205422 2018 MENZI MUCK M540 Excavator, Walking, All Terrain**

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**Total Hours: 1,121.00 Labor: 79,787.00 Parts: 220,980.11 Comm: 106,414.90 Charged: 407182.01**

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**Work Order:** 1801869      **Meter:** 0      **In Date:** 02/16/2018      **Closed:** 02/27/2018  
**Problem:** pre delivery inspection

**Work Completed**

- pre delivery inspection
- weldt assets on deck & bucket
- change quick connects on machine & mower
- go to mako pick up parts
- Shop Supplies

Hours: 15.00      Comm: 0.00

**Parts Issued**

**Quantity**

3/4 Quick Conn Female	2.00
3/4 Quick Conn Male	1.00
fitting from mako	1.00
Non-chlor Brake Clnr	1.00
Shop Supplies	1.00
Freight Charge	1.00

Labor: 900.00      Parts: 1,461.19      Total: 2,361.19

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**Work Order:** 1802499      **Meter:** 11      **In Date:** 03/07/2018      **Closed:** 03/21/2018  
**Problem:** vissor

**Work Completed**

- Install Visor
- Adapt fittings on greaser
- Repair dent in Rf hose cover. Cut drain holes in motor cover plates
- To Mako 2xs
- Test run
- Shop Supplies

Hours: 15.50      Comm: 0.00

**Parts Issued**

**Quantity**

rain roof	1.00
rust gloss gray paint	2.00
Gray Sea	2.00
hose made mako	1.00
coupling	2.00
Shop Supplies	1.00
Freight Charge	1.00

Labor: 930.00      Parts: 665.20      Total: 1,595.20





1/8/2024  
6:59:43 PM

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**Work Order:** 1809693      **Meter:** 98      **In Date:** 09/20/2018    **Closed:** 10/12/2018  
**Problem:** Washer Fluid

**Work Completed**

- Washer fluid
- Repair set adjuster
- To Cabana Colony
- Shop Supplies

**Parts Issued**

**Quantity**

Washer Fluid Concentr	2.00
Air Freshener	2.00
Storage Box	1.00
Shop Supplies	1.00
Freight Charge	1.00

Hours: 3.50      Comm: 0.00      Labor: 234.50      Parts: 55.16      Total: 289.66

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**Work Order:** 1810023      **Meter:** 98      **In Date:** 09/27/2018    **Closed:** 09/27/2018  
**Problem:** LF tire

**Work Completed**

- Lf tire

Hours: 0.00      Comm: 128.96      Labor: 0.00      Parts: 0.00      Total: 128.96

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**Work Order:** 1810842      **Meter:** 580      **In Date:** 10/22/2018    **Closed:** 11/30/2018

1/8/2024  
6:59:43 PM

**Palm Beach County Fleet Management Asset Maintenance History**  
**10205422 2018 MENZI MUCK M540 Excavator, Walking, All Terrain**

**Problem:** pm

**Work Completed**

- Pm
- Re hose coolant system
- Replace bad hyd. hoses
- Wash machine and clean coolers
- Test run
- R&r crushed panel and repaired
- Repair mover and cut out dabree
- Replace Brades
- Helped load and unload mower for transport
- Shop Supplies

**Parts Issued**

**Quantity**

Simple Green Cleaner	2.00
Marine Grease	2.00
1gal Rtu Antifreeze	8.00
Wd40 1 Gallon Liquid	1.00
Hose Clamp	8.00
rust gloss gray paint	2.00
Red Primer	1.00
Miller Cover Lens	1.00
Blade Washer	3.00
Blade Nut	3.00
Blade Bolt	3.00
Mower Blade	3.00
Blade Roll Pin	3.00
Dish Ring	1.00
50 inch disc	1.00
m5 filter kit sn 6244+	1.00
Aw68 Hydro Fluid Hydr	20.00
85-140 Gear Oil Gear	16.00
Non-chlor Brake Clnr	3.00
15-40 Oil	14.00
Washer Fluid Concentr	1.00
70225	1.00
Enr Elect Battery	1.00
Elec Battery 357	1.00
5 Gal Bucket Pump	1.00
Shop Supplies	1.00
Freight Charge	1.00
Freight Charge	1.00

Hours: 47.00

Comm: 0.00

Labor: 3,149.00

Parts: 6,857.34

Total: 10,006.34



1/8/2024  
6:59:43 PM

**Palm Beach County Fleet Management Asset Maintenance History**  
**10205422 2018 MENZI MUCK M540 Excavator, Walking, All Terrain**

**Work Order:** 1900619      **Meter:** 777      **In Date:** 01/15/2019      **Closed:** 03/06/2019  
**Problem:** Rebuild power tilt

**Work Completed**

- Rebuild Power Tilt
- To Mary Circle
- Retorque power tilt bolts
- Coolant
- Shop Supplies

**Parts Issued**

**Quantity**

Non-chlor Brake Clnr	12.00
White Paint Marker	0.5.99
yellow paint pen	1.00
Screw	6.00
Ptex Thrd Lck Red Lg	1.00
Ultra Supreme 238 Moly Grease	20.00
Washer Fluid Concentr	2.00
Air Freshener	2.00
Power Tilt Bearing Kit	1.00
Cross Port Relief Valve	1.00
Power Tilt Seal Kit	1.00
Moly Grease 40bl Bucket	1.00
1gal Rtu Antifreeze	2.00
Shop Supplies	1.00

Hours: 22.50      Comm: 0.00      Labor: 1,507.50      Parts: 1,938.09      Total: 3,445.59

**Work Order:** 1902472      **Meter:** 907      **In Date:** 03/06/2019      **Closed:** 03/11/2019  
**Problem:** Hyd. Oil

**Work Completed**

- check hyd leaks. drop belly pan and clean. remove valve block and reseal fittings. install and test
- road call to belvedere and sansbry
- test run
- Shop Supplies

**Parts Issued**

**Quantity**

Aw68 Hydro Fluid Hydr	20.00
Shop Supplies	1.00

Hours: 7.50      Comm: 0.00      Labor: 502.50      Parts: 40.80      Total: 543.30

1/8/2024  
6:59:43 PM

**Palm Beach County Fleet Management Asset Maintenance History**  
**10205422 2018 MENZI MUCK M540 Excavator, Walking, All Terrain**

**Work Order:** 1902739      **Meter:** 992      **In Date:** 03/12/2019      **Closed:** 04/05/2019  
**Problem:** Side Door

**Work Completed**

- Side Panel
- Pm
- Service finnal drives
- Replace inter cooler pipe coupler
- Test run
- Repaired crushed Rf leg cover
- Shop Supplies

**Parts Issued**

**Quantity**

Cover Left M5	1.00
Lever	1.00
Big G Degreaser 1 Gal	1.00
Non-chlor Brake Clnr	4.00
New Pig	1.00
15-40 Oil	14.00
85-140 Gear Oil Gear	16.00
Hose Made Mako	1.00
m5 filter kit sn 6244+	1.00
Washer Fluid Concentr	2.00
Air Freshener	2.00
Shop Supplies	1.00
Freight Charge	1.00

Hours: 22.00

Comm: 0.00

Labor: 1,474.00

Parts: 6,715.45

Total: 8,189.45

**Work Order:** 1904018      **Meter:** 992      **In Date:** 04/12/2019      **Closed:** 05/10/2019  
**Problem:** RR Leg stuck in air

**Work Completed**

- Rebuilt joystick
- To 45th & Haverhill
- Removed and replaced broken bolts in Power Tilt Retourged to 1270 lbs.
- To 45th again
- Test run
- Shop Supplies

**Parts Issued**

**Quantity**

Joy Stick	1.00
Shop Supplies	1.00
Freight Charge	1.00

Hours: 12.50

Comm: 0.00

Labor: 837.50

Parts: 6,754.00

Total: 7,591.50





1/8/2024  
6:59:43 PM

**Palm Beach County Fleet Management Asset Maintenance History**  
**10205422 2018 MENZI MUCK M540 Excavator, Walking, All Terrain**

**Work Order:** 1908625

**Meter:** 1433

**In Date:** 08/16/2019 **Closed:** 11/25/2019

**Problem:** PM/ Hyd oil under door

**Work Completed**

- Pm
- Repaired oil leak in belly of machine@ swivel
- Replaced relief valve assembly below rotation as it was leaking
- Repaired multiple coolant leaks. Replaced all hoses
- Washed machine and coolers
- Adjust door latch
- Test run
- R&r blown power tilt hoses
- To Caribian 2xs
- To Mako
- Replace turbo hose
- To Pahokee, to Investment Ditch
- To Mako
- Replace swivel relief valve
- Shop Supplies

**Parts Issued**

**Quantity**

Hose Made Mako	1.00
Non-chlor Brake Clnr	2.00
Cable Tie	1.00
Hose Made Mako	1.00
Hose Made Mako	1.00
Directional Valve	1.00
Coolent Level Sensor	1.00
Connection Screw	4.00
Connection Screw	4.00
Simple Green Cleaner	2.00
Non-chlor Brake Clnr	12.00
15-40 Oil	14.00
Aw68 Hydro Fluid Hydr	24.00
m5 filter kit sn 6244+	1.00
Washer Fluid Concentr	1.00
Wiper Blade	1.00
1gal Rtu Antifreeze	6.00
Ultra Supreme 238 Moly Grease	40.00
85-140 Gear Oil Gear	16.00
Powertilt Pin	2.00
Hose Made Mako	1.00
Service Aw68	42.00
Cross Port Relief Valve	1.00
Non-chlor Brake Clnr	12.00
Shop Supplies	1.00
Freight Charge	1.00
Freight Charge	1.00

Hours: 72.00

Comm: 0.00

Labor: 5,256.00

Parts: 6,661.27

Total: 11,917.27

1/8/2024  
6:59:43 PM

**Palm Beach County Fleet Management Asset Maintenance History**  
**10205422 2018 MENZI MUCK M540 Excavator, Walking, All Terrain**

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**Work Order:** 1912436                      **Meter:** 1636                      **In Date:** 12/04/2019   **Closed:** 12/11/2019  
**Problem:** Hyd. leak

**Work Completed**

**Parts Issued**

**Quantity**

- Repair hyd. leak in Rh leg
- To Burma Ditch
- Shop Supplies

Aw68 Hydro Fluid Hydr	8.00
Shop Supplies	1.00

Hours: 3.50                      Comm: 0.00                      Labor: 255.50                      Parts: 22.00                      Total: 277.50

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**Work Order:** 1912671                      **Meter:** 1636                      **In Date:** 12/11/2019   **Closed:** 02/27/2020  
**Problem:** Door Latch

**Work Completed**

**Parts Issued**

**Quantity**

- Replace seat and slides. Replace door latch
- To Cabana Colony, Pennock, and Sfwm Ditches
- Replace bad turbo hose
- Tested functions below rotation and called Menzi
- Repair Greese lines
- Shop Supplies

198562 Tire 550/80r23	1.00
Latch Lock	1.00
Operators Seat	1.00
Intake Hose M5	1.00
Ultra Supreme 238 Moly Grease	20.00
Air Freshener	2.00
Washer Fluid Concentr	2.00
Door Latch	2.00
24v 886 Bulb	1.00
Shop Supplies	1.00
Tire Disposal Fee	1.00
Freight Charge	1.00
Freight Charge	1.00
Freight Charge	1.00
Freight Charge	1.00

Hours: 20.00                      Comm: 0.00                      Labor: 1,460.00                      Parts: 14,084.46                      Total: 15,544.46



1/8/2024  
6:59:43 PM

**Palm Beach County Fleet Management Asset Maintenance History**  
**10205422 2018 MENZI MUCK M540 Excavator, Walking, All Terrain**

**Work Order:** 2002345  
**Problem:** Leak

**Meter:** 1638

**In Date:** 03/06/2020 **Closed:** 03/27/2020

**Work Completed**

- Replaced exstetion Cly. O-rings
- to Hibiscus and thetrail & to Comunity Ditch
- Get 3 buckets of greese
- Replaced boom exstention cyl. and lines
- Pm
- Service final drives
- Presure wash machine
- Test run
- Shop Supplies

**Parts Issued**

**Quantity**

Moly Grease 40bl Bucket	3.00
M5 Telescope Cylinder	1.00
Aw68 Hydro Fluid Hydr	80.00
15-40 Oil	14.00
m5 filter kit sn 6244+	1.00
Wiper Blade	1.00
Washer Fluid Concentr	1.00
1 4 D 6pt Fl Skt 7mm	1.00
Non-chlor Brake Clnr	6.00
10in Brush Head	1.00
Plug	8.00
85-140 Gear Oil Gear	16.00
Simple Green Cleaner	2.00
Powertilt Sn B19210 A91/mser	1.00
Swivel Fitting	2.00
Power Tilt Hoses	2.00
Powertilt Pin	2.00
Shop Supplies	1.00
Freight Charge	1.00
Freight Charge	1.00
Freight Charge	1.00

Hours: 59.00

Comm: 0.00

Labor: 4,307.00

Parts: 28,903.99

Total: 33,210.99













1/8/2024  
6:59:43 PM

**Palm Beach County Fleet Management Asset Maintenance History**  
**10205422 2018 MENZI MUCK M540 Excavator, Walking, All Terrain**

**Work Order:** 2102443      **Meter:** 2464      **In Date:** 03/03/2021      **Closed:** 04/20/2021

**Problem:** Storm water Steve, machine is due for PM it is here at Roads Yard.

**Work Completed**

- Pm Service.
- Service 4 Final Drives.
- Found wear at boom hoses. Insulate areas rubbing through.
- Hydraulic leak at Lf wheel motor. Found failed / rusted plugs and fittings. Remove covers / steering cylinder and Lf drive motor. Replace all plugs and fittings and O-rings at motor. Top off oil, check for leaks, Ok.
- Hydraulic leak at adjustable relief valve under cab. Remove and replace valve. Top off oil, check for leaks, ok.
- Repair crushed grease lines and fittings at both front legs and bucket tilt pins.
- Move machine from Roads yard to shop.
- Hydraulic leak at mower Quick connect fittings, Replace O-rings tighten Fittings. Check for leaks, ok
- Worn Blades, Cut off old blades and hardware. Replace 3 blades and hardware.
- Pressure clean mud and grease from machine. Clean wash rack. Clean cab glass.
- Test run.
- Shop Supplies

**Parts Issued**

**Quantity**

85-140 Gear Oil Gear	16.00
Plug	8.00
Cable Tie	1.00
15-40 Oil	14.00
Hose Made Mako	1.00
Seal Kit	1.00
Fitting	2.00
Hydraulic Fitting	2.00
Male Stud Coupler	2.00
M10x35 Socket Head	16.00
Pafg402/90m20s Fitting	2.00
Directional Valve	1.00
Mower Blade	3.00
m5 filter kit sn 6244+	1.00
Washer Fluid Concentr	1.00
Wiper Blade	1.00
Aw68 Hydro Fluid Hydr	12.00
Wd40 Spr	1.00
Non-chlor Brake Clnr	2.00
Shop Supplies	1.00
Freight Charge	1.00

Hours: 61.00

Comm: 0.00

Labor: 4,453.00

Parts: 6,008.99

Total: 10,461.99

1/8/2024  
6:59:43 PM

**Palm Beach County Fleet Management Asset Maintenance History**  
**10205422 2018 MENZI MUCK M540 Excavator, Walking, All Terrain**

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**Work Order:** 2103796      **Meter:** 2464      **In Date:** 04/02/2021      **Closed:** 04/20/2021  
**Problem:** Operator states that the rear leg won't go in or out ( not moving) . Charlesworth 670-8049 Linton Ditch off of Lyons rd

**Work Completed**

- Rear Leg not operating, Open Belly pan, Trace Hydraulic circuit for leg operation, Found Hyd spool valve malfunction. Remove valve and clean. Perform Additional repair with menzi tech.

**Parts Issued**

**Quantity**

Non-chlor Brake Clnr	4.00
Single Solenoid Valve	2.00
Shop Supplies	1.00
Freight Charge	1.00

- To Linton Ditch off of Lyons Rd 4/2,4/6,
- Test Drive unit
- Shop Supplies

Hours: 24.50      Comm: 0.00      Labor: 1,788.50      Parts: 1,666.43      Total: 3,454.93

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**Work Order:** 2104336      **Meter:** 2464      **In Date:** 04/19/2021      **Closed:** 04/29/2021  
**Problem:** steering inop/check engine light

**Work Completed**

- Hydraulic & Pressure Sys

Hours: 0.00      Comm: 3,238.68      Labor: 0.00      Parts: 0.00      Total: 3,238.68

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**Work Order:** 2104837      **Meter:** 2464      **In Date:** 04/29/2021      **Closed:** 05/03/2021  
**Problem:** Storm Water Courtland, machine has a Hyd. leak on the bucket it is at Sunny Lane Ditch #480-1906

**Work Completed**

- hyd leak- powertilt leaking R&r with rebuilt unit. test run ok
- to and from sunny lane ditch 4/29
- Shop Supplies

**Parts Issued**

**Quantity**

Shop Supplies	1.00
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Hours: 6.00      Comm: 0.00      Labor: 438.00      Parts: 4.00      Total: 442.00

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**Work Order:** 2104970      **Meter:** 2464      **In Date:** 05/04/2021      **Closed:** 05/05/2021  
**Problem:** need hyd fluid

**Work Completed**

- add hyd oil
- to and from sunny lane ditch 5/4
- Shop Supplies

**Parts Issued**

**Quantity**

Aw68 Hydro Fluid Hydr	12.00
Shop Supplies	1.00

Hours: 2.00      Comm: 0.00      Labor: 146.00      Parts: 35.14      Total: 181.14



1/8/2024  
6:59:43 PM

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**10205422 2018 MENZI MUCK M540 Excavator, Walking, All Terrain**

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**Work Order:** 2105958      **Meter:** 2464      **In Date:** 06/01/2021      **Closed:** 06/08/2021  
**Problem:** Operator says that there is a Hyd. leak. Location - Summit Blvd. between Haverhill Rd & Military Trail. Jamal # 480-1906

**Work Completed**

- Hydraulic leak at boom extension aux. line. Remove and replace hydraulic hose. Top off oil, check for leaks, Ok.
- Washer Fluid
- Service call to Summit Blvd. and back to shop. 2x
- Travel time to Mako and back.
- Test run.
- Right Leg not operating, Perform joystick inspection, open belly pan and check connection to solenoid, found bad connection to solenoid, replace terminal and connector to right leg function.
- Grease
- Shop Supplies

**Parts Issued**

	<b>Quantity</b>
Washer Fluid Concentr	3.00
Hose Made Mako	1.00
Aw68 Hydro Fluid Hydr	8.00
Cable Tie	1.00
Moly Grease 40bl Bucket	1.00
Shop Supplies	1.00

Hours: 19.50      Comm: 0.00      Labor: 1,423.50      Parts: 944.71      Total: 2,368.21

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**Work Order:** 2107026      **Meter:** 2464      **In Date:** 06/28/2021      **Closed:** 07/08/2021  
**Problem:** repair by Menzi

**Work Completed**

- repair

Hours: 0.00      Comm: 960.00      Labor: 0.00      Parts: 0.00      Total: 960.00

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**Work Order:** 2107330      **Meter:** 2464      **In Date:** 07/07/2021      **Closed:** 07/27/2021  
**Problem:** Storm Water AI need to order a grease pump gun and operator said machine has a loud Whispering sound it is in the Collin

**Work Completed**

- check turbo hoses adjust clamps
- to and from Collins ditch 7/7, 7/8, 7/15
- grease pump
- hyd leak- replace power tilt hoses replace fluid
- to and from mako .5 wait 7/22
- Shop Supplies

**Parts Issued**

	<b>Quantity</b>
Aw68 Hydro Fluid Hydr	90.00
5 Gal Bucket Pump	1.00
Hose Made Mako	1.00
Shop Supplies	1.00
Freight Charge	1.00

Hours: 8.00      Comm: 0.00      Labor: 584.00      Parts: 2,174.15      Total: 2,758.15

1/8/2024  
6:59:43 PM

**Palm Beach County Fleet Management Asset Maintenance History**  
**10205422 2018 MENZI MUCK M540 Excavator, Walking, All Terrain**

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**Work Order:** 2107719                      **Meter:** 2464                      **In Date:** 07/15/2021   **Closed:**  
**Problem:** Storm Water Cody, boom Hyd. line has been pulled off it is at Collins Ditch #4801906

**Work Completed**

- Hydraulic & Pressure Sys

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

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**Work Order:** 2107745                      **Meter:** 2464                      **In Date:** 07/16/2021   **Closed:** 07/30/2021  
**Problem:** Needs washer fluid. Thank you

**Work Completed**

- Cab Miscellaneous

- Shop Supplies

**Parts Issued**

Washer Fluid Concentr                      2.00

Shop Supplies                      1.00

Hours: 1.00                      Comm: 0.00                      Labor: 73.00                      Parts: 5.77                      Total: 78.77

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**Work Order:** 2108667                      **Meter:** 2464                      **In Date:** 08/10/2021   **Closed:** 08/17/2021  
**Problem:** Legs won't move

**Work Completed**

- Unit loss Joy stick operation, Dtc 1020/141, and 1021/141. Perform diagnose for Dtc's found open circuit on system causing malfunction. Replace open fusible link and relay.

- To Plantation ditch

- Shop Supplies

**Parts Issued**

Relay                      1.00

Shop Supplies                      1.00

Hours: 5.50                      Comm: 0.00                      Labor: 401.50                      Parts: 16.22                      Total: 417.72

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**Work Order:** 2109605                      **Meter:** 2464                      **In Date:** 09/02/2021   **Closed:** 09/03/2021  
**Problem:** Storm Water Alan, machine has a Hyd. leak under it is at Melaleuca and Jog Ditch #307-7107

**Work Completed**

- check over machine for hyd leaks. hyd fluid at proper level. drop belly pan check all fittings . lift cab check

- to melaleuca dr and congress

- Shop Supplies

**Parts Issued**

Shop Supplies                      1.00

Hours: 2.00                      Comm: 0.00                      Labor: 146.00                      Parts: 2.65                      Total: 148.65



1/8/2024  
6:59:43 PM

**Palm Beach County Fleet Management Asset Maintenance History**  
**10205422 2018 MENZI MUCK M540 Excavator, Walking, All Terrain**

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**Work Order:** 2110749      **Meter:** 2464      **In Date:** 10/04/2021      **Closed:** 10/04/2021  
**Problem:** WATER-RECOVERY/ 4 UNITS USED

**Work Completed**

- Tow From: 3900 Westgate Ave To:

Hours: 0.00      Comm: 536.75      Labor: 0.00      Parts: 0.00      Total: 536.75

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**Work Order:** 2111508      **Meter:** 2464      **In Date:** 10/21/2021      **Closed:** 10/25/2021  
**Problem:** Replace LR RR

**Work Completed**

- Tire Service: He Problem: Replace Lr Rr

Hours: 0.00      Comm: 121.44      Labor: 0.00      Parts: 0.00      Total: 121.44

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**Work Order:** 2111707      **Meter:** 2464      **In Date:** 10/28/2021      **Closed:** 10/28/2021  
**Problem:** Replace Menzi wheel

**Work Completed**

- Tire Service: He Problem: Replace Menzi wheel

Hours: 0.00      Comm: 121.44      Labor: 0.00      Parts: 0.00      Total: 121.44

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**Work Order:** 2111832      **Meter:** 2464      **In Date:** 11/02/2021      **Closed:** 11/29/2021  
**Problem:** tires

**Work Completed**

- Tire Replacement

- 5 Gal. Grease Pump

- Shop Supplies

**Parts Issued**

**Quantity**

198562 Tire 550/80r23      2.00

5 Gal Bucket Pump      1.00

Shop Supplies      1.00

Tire Disposal Fee      2.00

Freight Charge      1.00

Hours: 0.00      Comm: 0.00      Labor: 0.00      Parts: 8,713.10      Total: 8,713.10

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**Work Order:** 2112703      **Meter:** 2464      **In Date:** 11/30/2021      **Closed:** 11/30/2021  
**Problem:** Mount 2 tires

**Work Completed**

- Tire Service: He Problem: Mount 2 tires

Hours: 0.00      Comm: 388.16      Labor: 0.00      Parts: 0.00      Total: 388.16

1/8/2024  
6:59:43 PM

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**10205422 2018 MENZI MUCK M540 Excavator, Walking, All Terrain**

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**Work Order:** 2113016      **Meter:** 2464      **In Date:** 12/09/2021      **Closed:** 12/28/2021  
**Problem:** Storm Water Cody, machine has a Hyd. leak on one of the boom fitting will be at West gate ditch South

**Work Completed**

**Parts Issued**

**Quantity**

- Replace leaking hydraulic lines for boom attachment.
- To Westgate ditch
- To Mako plus wait time.
- Shop Supplies

Hose Made Mako	1.00
Shop Supplies	1.00

Hours: 5.50      Comm: 0.00      Labor: 401.50      Parts: 583.92      Total: 985.42

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**Work Order:** 2201140      **Meter:** 2464      **In Date:** 02/01/2022      **Closed:** 02/09/2022  
**Problem:** Storm Water Cody, need Hyd. fluid

**Work Completed**

**Parts Issued**

**Quantity**

- Hydraulic & Pressure Sys
- to roads and bridge
- Shop Supplies

Aw68 Serv Truck	8.00
Shop Supplies	1.00

Hours: 1.50      Comm: 0.00      Labor: 109.50      Parts: 18.40      Total: 127.90

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**Work Order:** 2201467      **Meter:** 2464      **In Date:** 02/09/2022      **Closed:** 03/01/2022  
**Problem:** PM Service. will turn in today

**Work Completed**

**Parts Issued**

**Quantity**

- Preventive Maint. Service
- Service all hubs.
- Wash down unit.
- Shop Supplies

m5 filter kit sn 6244+	1.00
Washer Fluid Concentr	1.00
Wiper Blade	1.00
Non-chlor Brake Clnr	4.00
15-40 Oil	14.00
85-140 Gear Oil Gear	16.00
Shop Supplies	1.00

Hours: 14.00      Comm: 0.00      Labor: 1,022.00      Parts: 1,786.95      Total: 2,808.95

1/8/2024  
6:59:43 PM

**Palm Beach County Fleet Management Asset Maintenance History**  
**10205422 2018 MENZI MUCK M540 Excavator, Walking, All Terrain**

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**Work Order:** 2202558      **Meter:** 2464      **In Date:** 03/08/2022      **Closed:** 03/16/2022

**Problem:** Storm Water Jon, machine has two different warnings come up it is at Gramercy Park East on Caribbean Blvd.

**Work Completed**

**Parts Issued**

**Quantity**

- Engine warning light. Spn 102 Fmi 2 Charged air pressure above warning threshold. Check turbo and wastegate actuator operation ok. Unable to recreate fault at this time.

Shop Supplies

1.00

- Hydraulic warning light. Fluid level Ok and all functions working correctly. Unable to recreate fault at this time.

- Service Call to Caribbean Blvd. and back.

- Test run.

- Shop Supplies

Hours: 3.50

Comm: 0.00

Labor: 255.50

Parts: 2.65

Total: 258.15

1/8/2024  
6:59:43 PM

**Palm Beach County Fleet Management Asset Maintenance History**  
**10205422 2018 MENZI MUCK M540 Excavator, Walking, All Terrain**

**Work Order:** 2203347      **Meter:** 2464      **In Date:** 03/29/2022      **Closed:** 05/03/2022

**Problem:** low hyd oil/ Grease Line

**Work Completed**

**Parts Issued**

**Quantity**

- Low hydraulic oil, top off oil. Found small leak at rotation brake valve. Install new valve. Clean spilled fluid and check for leaks.
- Service Call to Australian@ Congress Ave. and back. Skees Rd and back 2x.
- Worn engine belt. Replace engine belt.
- Hyd Leak from power tilt hoses, replace hoses, and power tilt bolts
- To Old Okeechobee 2xs
- To Mako Hose and wait time
- Fill Hyd oil, unit inside ditch
- Remount tires
- damaged front leg cover , straighten out mounting brackets install cover from downed machine order new cover
- to and from brian rd x2
- Broken grease line at dipper pin. Extract broken fitting and replace fitting.
- Hydraulic leak inside belly of machine. Clean sludge from belly. Confirm leaking hydraulic distributor in center of machine. Send Menzi for repairs. Top off oil.
- Shop Supplies

Non-chlor Brake Clnr	4.00
Aw68 Hydro Fluid Hydr	4.00
New Pig	1.00
Non-chlor Brake Clnr	4.00
Aw68 Hydro Fluid Hydr	50.00
Kimball Hardware	1.00
Hose Made Mako	1.00
Directional Valve	1.00
Tire	1.00
Simple Green Cleaner	1.00
Non-chlor Brake Clnr	4.00
Aw68 Hydro Fluid Hydr	40.00
Shop Supplies	1.00

Hours: 35.50      Comm: 0.00      Labor: 2,591.50      Parts: 1,844.50      Total: 4,436.00

**Work Order:** 2204452      **Meter:** 2464      **In Date:** 04/15/2022      **Closed:** 04/26/2022

**Problem:** Flat tire

**Work Completed**

- Tire Service: Brian Way Problem: Flat tire

Hours: 0.00      Comm: 118.65      Labor: 0.00      Parts: 0.00      Total: 118.65

**Work Order:** 2204469      **Meter:** 2464      **In Date:** 04/22/2022      **Closed:** 04/26/2022

**Problem:** Flat repair

**Work Completed**

- Tire Service: He Problem: Flat repair

Hours: 0.00      Comm: 118.65      Labor: 0.00      Parts: 0.00      Total: 118.65



1/8/2024  
6:59:43 PM

**Palm Beach County Fleet Management Asset Maintenance History**  
**10205422 2018 MENZI MUCK M540 Excavator, Walking, All Terrain**

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**Work Order:** 2205383                      **Meter:** 2464                      **In Date:** 05/20/2022    **Closed:** 05/24/2022  
**Problem:** Storm Water Cody, machine cab bolts are missing it is at Lakeside Ditch

**Work Completed**

- replace cab hold down bolts
- to and from lakeside ditch 5/24
- Shop Supplies

**Parts Issued**

Parts Issued	Quantity
Shop Supplies	1.00

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Hours: 2.00                      Comm: 0.00                      Labor: 146.00                      Parts: 2.65                      Total: 148.65

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**Work Order:** 2206008                      **Meter:** 2464                      **In Date:** 06/07/2022    **Closed:** 06/29/2022  
**Problem:** Repair grease line

**Work Completed**

- operator states outer hyd disconnect on boom would not screw together . removed and replaced both sides of fitting .
- to and from lakeside ditch
- Hydraulic leak at steering hoses. Replace 2 left leg hoses and fittings to steering cylinder. Remove leg panels and cylinder pin to access and repair. Top off fluid and check for leaks.
- Service Call to Canal 10 Rd and back 2x.
- Travel Time to Mako and back.
- Test run.
- Shop Supplies

**Parts Issued**

Parts Issued	Quantity
Aw68 Hydro Fluid Hydr	48.00
Hose Made Mako	1.00
Non-chlor Brake Clnr	16.00
Cable Tie	1.00
Quick Connect Male	4.00
Quick Connect Female	4.00
3/4 Quick Conn Female	2.00
3/4 Quick Conn Male	2.00
Fa17 3/4 Bsp	2.00
M A17 1 Bsp	2.00
Hose Made Mako	1.00
Shop Supplies	1.00
Freight Charge	1.00

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Hours: 22.50                      Comm: 0.00                      Labor: 1,642.50                      Parts: 3,176.69                      Total: 4,819.19

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**Work Order:** 2206901                      **Meter:** 3147                      **In Date:** 06/29/2022    **Closed:** 10/03/2022  
**Problem:** Storm Water Mike, machine rear hub is leaking Hyd. fluid

**Work Completed**

- Ir hub leaking. pull bottom line and fitting off reseal.
- Service call to Cresthaven ditch and back. 4x

**Parts Issued**

Parts Issued	Quantity
New Pig	1.00
Non-chlor Brake Clnr	12.00
24 175 Uvb Cable Tie	1.00

1/8/2024  
6:59:43 PM

**Palm Beach County Fleet Management Asset Maintenance History**  
**10205422 2018 MENZI MUCK M540 Excavator, Walking, All Terrain**

- Left rear axle drive motor replacement due to leaking from housing, used heat to remove seized bolts, replace motor hardware and fittings, adjust drive motor axle speed,
- Pressure wash under chassis and axles
- Fill Hyd system with oil
- Greaser not working reset greaser to proper setting and test system
- Coolant tank level sensor replacement due to leaking
- Repair pinched and torn grease lines and fittings at tilt cylinder.
- Hydraulic leak at power tilt. Main shaft seal is leaking at rebuilt Power-tilt. Remove and replace Power-tilt, lines, fittings and O-rings. Weld on hose ring. Grease and top off fluid. Check for leaks, Ok.
- Dry rotted air intake tube, filter to turbo. (ordered)
- Torn windshield wiper and clogged spray nozzle. Replace windshield wiper and spray nozzle.
- hyd leak at power tilt hose - found adaptor fitting bent and bad seals. replace fitting and seals. top off fluid 7/26
- Travel time to and from mako and wait time
- Hydraulic leak under cab of machine. Boom Ext. foot pedal hose leaking. Remove access panels from cab. Replace hose to valve block at right side of machine. Fill Oil tank. Check for leaks. Check Operation, Ok at this time.
- Service Call to Emory Dr ditch and back. 3x
- Test run.
- To Alder Rd 8/4
- Evacuate and recharge ac system.
- Hyd leak from boom area, found blown Hyd hose from power tilt. Machine stuck inside of purdy lane ditch. replace hoses
- Fill Hyd system back up with Aw68. carry Hyd oil container into ditch about 150 yards away to machine
- To Mako Hose 8/31
- To Purdy Lane ditch 2xs
- Shop Supplies

<b>Parts Issued</b>	<b>Quantity</b>
85-140 Gear Oil Gear	8.00
Aw68 Hydro Fluid Hydr	30.00
Coolant Level Sensor	2.00
Non-chlor Brake Clnr	2.00
Hose Made Mako	1.00
Aw68 Hydro Fluid Hydr	12.00
Simple Green Cleaner	1.00
Aw68 Hydro Fluid Hydr	80.00
Non-chlor Brake Clnr	4.00
Mako Hose	1.00
Dispenser Unit	1.00
A/c Manifold	1.00
Hose Made Mako	1.00
Freon He Shop	5.00
Non-chlor Brake Clnr	12.00
Shop Supplies	1.00

Hours: 105.50

Comm: 0.00

Labor: 7,701.50

Parts: 1,660.00

Total: 9,361.50





1/8/2024  
6:59:43 PM

**Palm Beach County Fleet Management Asset Maintenance History**  
**10205422 2018 MENZI MUCK M540 Excavator, Walking, All Terrain**

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**Work Order:** 2211398      **Meter:** 3429      **In Date:** 11/07/2022      **Closed:** 12/19/2022  
**Problem:** Greaser not working/ Deck Vibration

**Work Completed**

- Greaser for attachment inoperative. Check electrical connections. check internal components. Found no output to motor. Replace greaser assembly.
- Service Call to Harverhill @ Wallis and back 2x.
- Coolant leak at engine. Open cab/ remove access panels. Replace coolant hoses at engine. Top off coolant and bleed system. Check for leaks Ok.
- Loose spindle at mower deck.. Reinstall spindle.
- Worn blades. Replace 3 blades.
- turbo leak - repair blown charge intake hose
- repair grease line pinched on boom. new fittings.
- to and from military and summit blvd
- windshield washer inoperative. Replace washer bottle, pump and nozzle.
- water wash and compressed air clean dirty coolers and radiator. blow out dirty engine air filter and air box.
- Shop Supplies

**Parts Issued**

**Quantity**

Menzi Blade Kit	1.00
51/64 Drill Bit	1.00
Lincoln Greaser	1.00
Shop Supplies	1.00
Freight Charge	1.00
Freight Charge	1.00

Hours: 36.00      Comm: 0.00      Labor: 2,628.00      Parts: 1,976.34      Total: 4,604.34

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**Work Order:** 2212792      **Meter:** 3429      **In Date:** 12/21/2022      **Closed:** 01/19/2023  
**Problem:** Drive Motor

**Work Completed**

- Hydraulic & Pressure Sys
- Shop Supplies

**Parts Issued**

**Quantity**

Drive Motor	1.00
Shop Supplies	1.00
Freight Charge	1.00

Hours: 0.00      Comm: 0.00      Labor: 0.00      Parts: 15,275.33      Total: 15,275.33

1/8/2024  
6:59:43 PM

**Palm Beach County Fleet Management Asset Maintenance History**  
**10205422 2018 MENZI MUCK M540 Excavator, Walking, All Terrain**

**Work Order:** 2300034      **Meter:** 3512      **In Date:** 01/03/2023      **Closed:** 01/17/2023  
**Problem:** Hydraulic hose on the bucket blew. Mike - 561-202-7847/ AC inop

**Work Completed**

- Replace hoses and couplers for power tilt unit.
- a/c not cold - check with gauges, top off freon. test run, ok for now
- to and from west gate ditch
- To Mako plus wait time.
- Shop Supplies

**Parts Issued**

	<b>Quantity</b>
Freon He Shop	5.00
Hose Made Mako	1.00
Hose Made Mako	1.00
Shop Supplies	1.00

Hours: 8.50      Comm: 0.00      Labor: 620.50      Parts: 711.40      Total: 1,331.90

**Work Order:** 2301361      **Meter:** 3528      **In Date:** 02/10/2023      **Closed:** 04/07/2023  
**Problem:** PM Service.

**Work Completed**

- Pm Service.
- Ac inoperative. Found Low system charge. Leaking Ac hoses and damaged condenser. Replace condenser, dryer, pressure switch and all hoses. Evac, Vacuum, Charge system. Check for leaks and proper operation. Ok
- Service 4 final drives.
- Found left front wheel loose. Replace rusted wheel bolts and washers. Tap threads in hub. Reinstall wheel.
- Hydraulic leak at pressure relief valve. Replace pressure relief valve under cab. Clean spilled fluid, Check for leaks. Top off oil.
- Hydraulic leak at pump hoses. Replace 2 hydraulic hoses at pump. Clean spilled oil and check for leaks.
- Cracked turbo inlet hose. Remove and Replace Turbo inlet hose.
- Travel Time to Mako and back.
- Remove all access panels, Pressure clean dirt oil and grease from machine. Clean grease from wash rack. Clean grease from cab and windows.
- Shop Supplies

**Parts Issued**

	<b>Quantity</b>
15-40 Oil	14.00
Wiper Blade	1.00
Washer Fluid Concentr	1.00
New Pig	1.00
Non-chlor Brake Clnr	2.00
m5 filter kit sn 6244+	1.00
Freon He Shop	10.00
Big G Degreaser 1 Gal	1.00
Simple Green Cleaner	1.00
G85w140p	1.00
Hose Made Mako	1.00
Metr/tap	2.00
Cut Oil Thread Lube	1.00
16mmx2 Die	2.00
Pressure Regulator	1.00
A/c Hose	1.00
A/c Hose	1.00
A/c Hose	1.00

1/8/2024  
6:59:43 PM

**Palm Beach County Fleet Management Asset Maintenance History**  
**10205422 2018 MENZI MUCK M540 Excavator, Walking, All Terrain**

<b>Parts Issued</b>	<b>Quantity</b>
Drier	1.00
Condensor	1.00
Rope	200.00
Washer	20.00
Cap Screw M16x45	20.00
Pres Limit Valve 24v	1.00
Clamp	1.00
Hose Clamp	1.00
Tubor Hose M5	1.00
Mako Hose 10205422	1.00
Directional Valve	1.00
Shop Supplies	1.00
Freight Charge	1.00
Freight Charge	1.00
Labor: 5,621.00	Parts: 7,852.10
Total: 13,473.10	

Hours: 77.00

Comm: 0.00

1/8/2024  
6:59:43 PM

**Palm Beach County Fleet Management Asset Maintenance History**  
**10205422 2018 MENZI MUCK M540 Excavator, Walking, All Terrain**

**Work Order:** 2303353      **Meter:** 3543      **In Date:** 04/04/2023      **Closed:** 05/30/2023

**Problem:** Storm Water Charles , there's a leak looks like one of the wheel boxes machine is at Plantation Ditch 670-8049

**Work Completed**

- Hydraulic leak at Lf leg. Clean out mud from hub. Replace fittings and O-rings. Top off Hydraulic oil. Ok at this time.
- Service Call to Plantation ditch.
- Hydraulic leak at power-tilt quick connect fittings. Remove, reseal and reinstall fittings. Clean spilled fluid. Top off Hydraulic Oil.
- Service call to Alder Rd @ Foxwood Ln
- Test run
- Shop Supplies

**Parts Issued**

**Quantity**

O-ring	2.00
M10x35 Socket Head	16.00
Aw68 Hydro Fluid Hydr	32.00
Seal Kit	1.00
Fitting	1.00
Non-chlor Brake Clnr	4.00
O-ring	2.00
Hydraulic Fitting	2.00
Dark Gray Print	2.00
Male Stud Coupler	1.00
Hose	1.00
Masking Tape 388n48mm	1.00
New Pig	1.00
Shop Supplies	1.00
Freight Charge	1.00
Freight Charge	1.00

Hours: 15.50

Comm: 0.00

Labor: 1,131.50

Parts: 1,746.10

Total: 2,877.60

1/8/2024  
6:59:43 PM

**Palm Beach County Fleet Management Asset Maintenance History**  
**10205422 2018 MENZI MUCK M540 Excavator, Walking, All Terrain**

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**Work Order:** 2304608      **Meter:** 3606      **In Date:** 05/09/2023      **Closed:** 05/12/2023  
**Problem:** Storm Water Jon, there's a rip in the turbo hoses it is at Community Ditch off of Haverhil 252-8509

**Work Completed**

**Parts Issued**

**Quantity**

- Operator states turbo hose is ripped. Found leaking turbo/ air charge cooler hose. Replace turbo hoses and clamps. Check turbo wastegate and engine operation, Ok.

Hose Fittings From Mako	1.00
Cross Port Relief Valve	1.00
Shop Supplies	1.00

- Service Call to Community Ditch and back. 2x

- Travel Time to Mako and back

- Operator states power-tilt is drifting to the left without command. Found power-tilt drifting to the left. Repair faulty relief valve. Check operation, Ok.

- Test run.

- Shop Supplies

Hours: 9.50      Comm: 0.00      Labor: 693.50      Parts: 580.57      Total: 1,274.07

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**Work Order:** 2306370      **Meter:** 3543      **In Date:** 06/28/2023      **Closed:** 07/19/2023  
**Problem:** Tire

**Work Completed**

- Tire Replacement

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

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**Work Order:** 2306447      **Meter:** 3543      **In Date:** 06/27/2023      **Closed:** 06/29/2023  
**Problem:** Tires: LFS; Flat. Replace Tire

**Work Completed**

- Tire Service: Creast Haven Problem: Tires: Lfs; Flat. Replace Tire

Hours: 0.00      Comm: 118.65      Labor: 0.00      Parts: 0.00      Total: 118.65

1/8/2024  
6:59:43 PM

**Palm Beach County Fleet Management Asset Maintenance History**  
**10205422 2018 MENZI MUCK M540 Excavator, Walking, All Terrain**

**Work Order:** 2306463      **Meter:** 3543      **In Date:** 06/29/2023      **Closed:** 07/19/2023  
**Problem:** Mount/ Dismount

**Work Completed**

- Tires Misc
- Stock Parts entry
- Shop Supplies

**Parts Issued**

**Quantity**

Tire Mount 10205422	1.00
198562 Tire 550/80r23	1.00
Shop Supplies	1.00
Tire Disposal Fee	1.00
Freight Charge	1.00
Freight Charge	1.00

Hours: 0.00      Comm: 0.00      Labor: 0.00      Parts: 3,967.26      Total: 3,967.26

**Work Order:** 2306964      **Meter:** 3543      **In Date:** 07/14/2023      **Closed:** 07/17/2023  
**Problem:** grease

**Work Completed**

- Operator states needs grease
- Shop Supplies

**Parts Issued**

**Quantity**

Ultra Supreme 238 Moly Grease	10.00
Shop Supplies	1.00

Hours: 1.00      Comm: 0.00      Labor: 73.00      Parts: 53.91      Total: 126.91

**Work Order:** 2307117      **Meter:** 3544      **In Date:** 07/19/2023      **Closed:** 07/21/2023  
**Problem:** Storm Water Jon, blown line in the boom machine is at the Albert Ditch Sherwood and Haverhill Rd. on 252-8509

**Work Completed**

- operator states hyd leak at boom. found damaged hoses on boom, remove hoses in order to access damaged hoses. replace hoses . organize hoses for proper boom movement.
- replace power tilt hoses and couplers. install protective spiral loom
- to and from albert ditch x2
- test run
- to and from mako hose
- standby time waiting at mako
- Shop Supplies

**Parts Issued**

**Quantity**

Non-chlor Brake Clnr	12.00
Cable Tie	2.00
Hose Made Mako	1.00
Shop Supplies	1.00

Hours: 14.00      Comm: 0.00      Labor: 1,022.00      Parts: 862.09      Total: 1,884.09



1/8/2024  
6:59:43 PM

**Palm Beach County Fleet Management Asset Maintenance History**  
**10205422 2018 MENZI MUCK M540 Excavator, Walking, All Terrain**

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**Work Order:** 2312116      **Meter:** 3544      **In Date:** 12/05/2023      **Closed:** 12/08/2023  
**Problem:** tire mounting

**Work Completed**

**Parts Issued**

**Quantity**

- Tires Misc

Callaghan Invoice

1.00

Hours: 0.00

Comm: 0.00

Labor: 0.00

Parts: 125.90

Total: 125.90

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**Work Order:** 2312534      **Meter:** 3544      **In Date:** 12/20/2023      **Closed:**  
**Problem:** legs wont move

**Work Completed**

- Operator states all leg functions wont move. Check fuses to lcvm controller. Test joysticks. Test harness for voltage drop from fuse panel to controller module and power and ground. Test commutator for resistance. Suspect failed controller module.

- repair/replace controller by Menzi

- Test run.

Hours: 4.50

Comm: 0.00

Labor: 328.50

Parts: 0.00

Total: 328.50

**Total Hours: 1,121.00**

**Total Labor: 79,787.00**

**Total Comm: 106,414.90**

**Total Parts: 220,980.11**