

# TRUCK MAINTENANCE

Unit: 98

Vin: 1M1AE07Y33W014672

year/truck: 2003 Mack

| DATE     | MILEAGE | DESCRIPTION                                                                                                                                                                                                                                                                                                                                       | PERFORMED BY        |
|----------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| 9-2019   |         | Mechanic completed a DOT inspection and put logo and DOT #s on.                                                                                                                                                                                                                                                                                   | Dave                |
| 10/1/19  |         | Mechanic installed CB and ELOG.                                                                                                                                                                                                                                                                                                                   | Dave                |
| 10-10-19 |         | Mechanic replaced right head light, and top clearance light.                                                                                                                                                                                                                                                                                      | John                |
| 10/31/19 | 697307  | Mechanic replaced the right front drive wheel seal, serviced, changed oil and filters, changed fuel filters, greased and checked over, looks fine, clutch is self adjusting and looks ok.                                                                                                                                                         | John                |
| 11/23/19 | 705272  | Mechanic changed out the air dryer, and head light switch.                                                                                                                                                                                                                                                                                        | John                |
| 1/17/20  | 726597  | Mechanic completed a service and grease the truck.                                                                                                                                                                                                                                                                                                | John                |
| 1/7/20   | 720336  | Mechanic replaced blower motor, replaced 3 side lights and replaced 1 and 2 wire connector on side lights.                                                                                                                                                                                                                                        | John                |
| 2/20/20  | 736894  | Mechanic mounted, balanced steer tires.                                                                                                                                                                                                                                                                                                           | Bauer Built         |
| 3/26/20  | 784336  | Mechanic found broken mount welded back together.                                                                                                                                                                                                                                                                                                 | Dave and John       |
| 4/19/20  |         | Mechanic replaced 2 wheels, LR IO.                                                                                                                                                                                                                                                                                                                | Pomp's tire service |
| 5/20/20  | 789219  | Mechanic changed out door handle, also fixed interior door panel with self tappers.                                                                                                                                                                                                                                                               | Dave                |
| 5/4/20   | 763960  | Mechanic completed a service and greased.                                                                                                                                                                                                                                                                                                         | John/Bryce          |
| 6/17/20  | 780531  | Mechanic replaced driver side windshield.                                                                                                                                                                                                                                                                                                         | Matt                |
| 6/21/20  | 781816  | Mechanic replaced with new 3 1/2" SS clamps on hose.                                                                                                                                                                                                                                                                                              | John                |
| 8/10/20  | 799903  | Mechanic serviced, and changed filters as well as fuel filter, greased.                                                                                                                                                                                                                                                                           | John                |
| 8/26/20  | 804230  | 3 axle alignment completed.                                                                                                                                                                                                                                                                                                                       | Bauer Built         |
| 9/19/20  | 812352  | Truck has an exhaust leak on inspection found the turbo/manifold gasket was in pieces, also found 1 stud not on turbo was missing. Turbo studs would not come loose, after 2 broke, so ended up replacing center section of exhaust manifold and gaskets, new turbo, studs and gaskets installed. DOT inspection completed, needs rear axle brake |                     |

|            |        |                                                                                                                                                                                                                                                                                                                                                                                       |            |
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| 9/28/20    | 814695 | Mechanic found leveling rod unhooked due to loose ball caps, and air bags down. Also found wire rubbing on tank, ordered new ball caps, and leveling rod. Mechanic zip tied the rod for now.                                                                                                                                                                                          | John       |
| 10/26/20   | 822100 | Mechanic checked for fuel/oil leak on passenger side of engine. He checked all injectors for leaks, found what appeared to be a small crack in oil pan, so removed it and cleaned the pan, did not find any cracks or holes, so mechanic primed and painted oil pan, replaced gasket. Thermostat, front diff input u-joint was replaced, re-sealed oil fill tube and replaced o-ring. | Dave       |
| 11/23/2020 | 832513 | Mechanic fixed tire, right rear outside (#10).                                                                                                                                                                                                                                                                                                                                        | John       |
| 1/6/21     | 843200 | Mechanic removed and replaced front cab mount bushings, exhaust muffler on drivers side, replaced mounting clamps on muffler, completed a service and greased.                                                                                                                                                                                                                        | Dave       |
| 2/5/21     |        | Mechanic replaced the blower motor resistor.                                                                                                                                                                                                                                                                                                                                          | John       |
| 2-8-21     |        | Mechanic replaced air dryer, and 2 prong electric cord.                                                                                                                                                                                                                                                                                                                               | John       |
| 3/4/21     | 863472 | Mechanic changed out front right steer wheel seal and #3 brake chamber.                                                                                                                                                                                                                                                                                                               | Dave/Brian |
| 3-18-21    | 864719 | Mechanic found 2 bad batteries, changed out with new, cleaned and replaced all positive and negative connections.                                                                                                                                                                                                                                                                     | Brian/Dave |
| 3-28-21    | 867825 | Air level valve rod changed out with new.                                                                                                                                                                                                                                                                                                                                             | Dave       |
| 4-22-21    |        | Welded bumper on right side.                                                                                                                                                                                                                                                                                                                                                          | Russ       |
| 5-4-21     |        | Mechanic added another air line holder to back of truck, to keep air/electric cord from dragging on cat walk.                                                                                                                                                                                                                                                                         | Brian      |
| 5-13-21    | 883942 | Mechanic completed a full service and greased, found steering box bolt loose. Note- will need front drive shoes and front right drive shock.                                                                                                                                                                                                                                          | Dave       |
| 5-24-21    | 887621 | Mechanic charged AC system and changed out fan control card.                                                                                                                                                                                                                                                                                                                          | Dave       |
| 5-26-21    | 888674 | Mechanic changed out front right ABS valve, also found #2 and 4                                                                                                                                                                                                                                                                                                                       |            |

|         |                                                                                                                                                                                                                                                                                                                  |                |  |  |  |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--|--|--|
|         | chambers leaking, put pancake on #2 and piggy back on #4, also found hose rub on park brake air supply on top of front axle.                                                                                                                                                                                     | Dae/Brian      |  |  |  |
| 894555  | Driver found wide shoe on right side of steer axle found, found low shoe and wide drum, changed out with new. Also found wheel seal leaking same wheel end, changed out with new and filled with oil. Replaced fan speed switch, then found bad slack adjuster on right steer, changed out with new and greased. | Dave/Cole      |  |  |  |
| 6-24-21 | 899057 Mechanic took Samsara box out of 99 and installed it in 98.                                                                                                                                                                                                                                               | Brian          |  |  |  |
| 7-8-21  | 904162 shoe Mechanic completed service, replaced front RH drive axle brake drum. DOT inspection completed.                                                                                                                                                                                                       | Cole/Brian     |  |  |  |
| 7-20-21 | Removed and replaced 2nd carrier bearing, driver steer tire balanced, greased, rotated drive tires.                                                                                                                                                                                                              | Cole           |  |  |  |
| 7-22-21 | 908328 switch Cab fan was cutting in and out, found loose plug on back of fan will need new fan switch plug and control board for HVAC, temp fix until parts come in, went to H and L and got parts, changed out HVAC control and wire harness.                                                                  | Dave           |  |  |  |
| 8-4-21  | 912277 coming LH rear drive axle wheel seal was leaking, due to hub axle nut loose, replaced hub, brake shoes and drum.                                                                                                                                                                                          | Brian          |  |  |  |
| 8-19-21 | 918189 Screw hole in front LH drive axle tire "outside one" per driver Mechanic removed and replaced front LH drive outside tire.                                                                                                                                                                                | Brian/Wyatt    |  |  |  |
| 8-31-21 | 921803 Serviced, greased, inspected truck.                                                                                                                                                                                                                                                                       | Scott          |  |  |  |
| 9-8-21  | 924468 Removed and replaced high pressure cone from compressor to top off condensor, recharged ac system.                                                                                                                                                                                                        | Brian/Jeremiah |  |  |  |
| 9-17-21 | 927173 on Removed and replaced rec dryer and ac o rings, replaced ac o ring low oressure ac line on driver's side at the firs aluminium 1" block, greased truck, checked tire psi, vacuum ac system.                                                                                                             | Brian          |  |  |  |
| 9-20-21 | 927686 Removed and replaced oring on high side a/c line next to condensor, found leak in condensor, condensor on order.                                                                                                                                                                                          | Brian          |  |  |  |

|            |        |                                                                                                                                                   |                    |
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| 10-1-21    | 932107 | Removed and replaced condensor for the ac.                                                                                                        | Brian              |
| 10-11-2021 |        | Adjusted 5th wheel plate, tightened to get rid of free play.                                                                                      | Grant              |
| 10-18-21   | 938865 | Driver reported that headlights were not working correctly, mechanic found faulty head light switch, wired lights temporarily until parts arrive. | Brian              |
| 10-20-21   | 939631 | Temp wire for headlight came out, driver hooked up the wire wrong causing headlights not to come on, found a 15 amp in line fuse that was blown.  | Brian              |
| 10-22-21   |        | Removed and replaced head light switch.                                                                                                           | Brian              |
| 10-27-21   | 942497 | Oil changed and filters replaced.                                                                                                                 | Matt               |
| 11-3-21    | 945746 | Service call from driver after report of broken radiator hose. Replaced water hose between water manifolds.                                       | Matt               |
| 11-4-21    | 946141 | Loose bolt on fender mount, added washer, Replaced radiator cap, thermostat, and gaskets, added 5 gallons of antifreeze.                          | Jeff               |
| 11-10-21   |        | Replaced 3/8 ball valve.                                                                                                                          | Russ               |
| 11-18-21   |        | 2 broke wires on passenger side, 1 bad light, cut and replaced.                                                                                   | Russ               |
| 12-3-21    | 958368 | Driver reported that the headlights were not bright enough through a snow storm, so mechanic replaced both front headlights.                      | Jeff               |
| 12-16-21   | 963283 | Patched tire but then disocered tire starting to bridge, so installed a good spare.                                                               | Grant              |
| 12-18-21   | 963952 | Adjusted camera, serviced, removed fuel filters, drained oil, topped off                                                                          |                    |
|            |        | washer fluid, adjusted front RH drive axle braek, replaced fuel and oil filters, greased.                                                         | Brian              |
| 1-3-22     | 963239 | Removed and replaced lower row chicken light on passenger side, passenger side lower shock olt.                                                   | Brian              |
|            |        | Installed steer drum/slack adjuster wheel and studs, adjusted brakes.                                                                             | Grant              |
| 1-18-22    | 969287 | Driver reported hub leaking air, mechanic removed and replaced old fan                                                                            |                    |
|            |        | hub, replaced with new one.                                                                                                                       | Grant, Jeff, Brian |
| 3-1-22     | 983476 | Performed a service on tractor, replaced all filters, DOT inspection completed, fixed electrical for chicken lights.                              | Brian/Jeremiah     |

|         |         |                                                                                                                                                                                                                                                                                                                                                                                                                         |             |  |  |
|---------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--|--|
| 3-27-22 |         | Borrowed passenger door switch for window on driver's door for driver's window.                                                                                                                                                                                                                                                                                                                                         | Matt        |  |  |
| 4-5-22  | 992364  | Greased, looked over truck and checked tire psi. Looked at fuel gauge, found broken sending unit, will need ordered.                                                                                                                                                                                                                                                                                                    | Dave        |  |  |
| 4-13-22 |         | Started pulling apart steer axle suspension fasteners in order to replace the front leaf springs.                                                                                                                                                                                                                                                                                                                       | Brian/Asher |  |  |
| 4-14-22 |         | Continued working on axle to removed driver's side leaf spring and install new leaf springs. Replaced steering shaft u joint, installed new leaf springs and hardware. Removed and replaced front steer shocks,                                                                                                                                                                                                         |             |  |  |
|         |         | installed leaf springs shackle, replaced driver's side king pin assembly,                                                                                                                                                                                                                                                                                                                                               |             |  |  |
|         |         | installed driver's side king pin assembly, installed/repared king pin caps,                                                                                                                                                                                                                                                                                                                                             |             |  |  |
|         |         | (RH) king pin. Replaceds teer stires, installed tires, torqued u bolts and lug nuts.                                                                                                                                                                                                                                                                                                                                    | Asher       |  |  |
| 4-18-22 | 993248  | 3 axle alignment                                                                                                                                                                                                                                                                                                                                                                                                        | Bauer Built |  |  |
| 5-11-22 |         | Charged AC, replaced air filter.                                                                                                                                                                                                                                                                                                                                                                                        | Grant       |  |  |
| 5-25-22 |         | Replaced chicken lights.                                                                                                                                                                                                                                                                                                                                                                                                | DTS         |  |  |
| 5-27-22 |         | Driver reported a fuel leak when truck was running, mechanic pulled truck up, let it run, to verify problem, didn't see any fuel leak on or around the driver side tank.                                                                                                                                                                                                                                                | Brian       |  |  |
| 6-10-22 | 1001624 | Removed and repalced charge air hose on passenger side of motor. Serviced oil and fuel filters, topped off transmission fluid, greased truck and checked diffs, adjusted tire pressures, found 2 tires low, #8 and #6 tires. Replaced #8 tire and patched #6 tire, topped off coolant level.                                                                                                                            | Asher       |  |  |
| 6-20-22 |         | Recovered freon, checked for leaks, recharged ac system. Removed the ac lines, found leak, from the truck, took to brozernes to get repaired Exhaust leak, removed exhaust, fix air leak at compressor, started new exhaust.Finished exhaust, replaced ac lines form the front to the sleeper, replaced lines through sleeper to expansion valve, charged ac system to 3.6 lbs, raod tests truck at hwy speed and idle. | Brian       |  |  |
| 7-13-22 |         |                                                                                                                                                                                                                                                                                                                                                                                                                         | Grant, Russ |  |  |

|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                |  |
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| July 2022 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                |  |
| 8-29-22   | Capped off lines and went to Brozenes to get plugs, transferred fuel over to other fuel tank.<br>Changed out primary and secondary fuel filters.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Wyatt<br>Asher |  |
| 9-7-22    | Removed driver side fuel tank, made 2 patches 1 3"x4", 1 8"x3", welded patches on aluminum, 1 repair side of tank, reinstalled tank on driver side, new rubber tank strapping, truck was holding fuel and no leaks were found.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Russ           |  |
| 10-31-22  | 335983<br>Checked for leaks, didn't find any, will run and watch.<br>Removed and replaced #4 wheel seal, removed wheels, brake drum and hub from hub #4, removed wheel seal, replaced wheel seal and installed hub and brake drum on hub (torqued to spec), installed axle with new axle seal, installed wheels and torqued lugs at (450 ft-lbs), topped off differential oil level. Replaced #7 and 8 tires. Drained air system, removed air dryer assembly, removed old air dryer filter and cleaned housing and cone. Replaced filter and installed air dryer assembly and torqued to spec (30 ft-lbs). Started truck and checked that air dryer was working properly (x3). Removed and replaced ac compressor belt as well as cruise control switch. Inspected air leak under dash, replaced rubbed through air lines. | Micah          |  |
| 11-18-22  | 1329725                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DTS            |  |
| 11-30-22  | 1328957<br>Serviced, greased.<br>Truck wouldn't start. Load tested batteries, they were bad. Removed and replaced 3 batteries, tested switches and cleaned plug, driver will let shop know how the cruise is working after his trip. Also removed and replaced battery hold down bolts.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DTS            |  |
| 12-22-22  | 1331615                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | DTS            |  |
| 12-29-22  | 1343324<br>Installed tracker and camera.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Davey          |  |
| 1-10-23   | 1343324<br>Loose bolts on driver's mirror, bad valve stem cap, changed out with new.<br>#1 drive tire pressure low. Check valve stem and valve stem core. Due to nail puncture in #1 drive tire, leaking valve stem on #1 drive tire and leaking valve stem from #2 drive tire, went to pull truck out of show and wire for RH chicken lights grounded out, after repair wire, chicken lights will come on for a few seconds and then turn off. This was due to a grounded out wire on passenger side chicken lights.                                                                                                                                                                                                                                                                                                      | Davey          |  |
| 1-18-23   | 1335238                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                |  |
| 2-3-23    | 1338777<br>Replaced front drive axle dogbone.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | DTS            |  |

Pulled truck in shop, and pressure tested coolant system. Found water leak from broken hose from water pump to top of engine had to look for buckets to drain, coolant into and drained coolant system.

Looked for correct size line 1/4 inch line and pressured tested again at 15 psi. Found multiple water leaks and the valve gasket due to hose clamps that needed tightend and or replaced. Replaced leaking coolant line clamps, after having to drive to centerstate since we did not have the correct size in inventory. Pressure tested coolant again at 15 psi and found water leaks just below fuel filter housing.

Replaced coolant hose and clamps below fuel filter housing. Filled coolant system with fresh coolant, since the coolant drained out was blackish, dark and oily. Pressure tested system at 15 psi and found water leak from coolant level sensor fitting. Replaced o ring for fitting and pressure tested system and she stated steady at 15 psi and no longer spotted and any other water leaks.

Oil cartridge housing was cracked, replaced with good used one from 1339246 Holtkamps.

DTS

DTS



[illegible]

|         |                                                  |                                                                                                                                                                                                                                                                                                                     |                   |
|---------|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| 98 Mack | 540,578 replace main belt tensioner              | new one                                                                                                                                                                                                                                                                                                             | 7:09AM 12/8/2023  |
| 98 Mack | 540,578 installed main belt tensioner            | removed old belt tensioner replaced it with a                                                                                                                                                                                                                                                                       | 4:32PM 12/28/2023 |
| 98 Mack | removed work lights from steps                   | speedometer doesn't work. removed work                                                                                                                                                                                                                                                                              |                   |
| 98 Mack | 540,578 abs light on                             | axle                                                                                                                                                                                                                                                                                                                | 2:51PM 11/16/2023 |
| 98 Mack | 540,578 Detail cab interior.                     | repaired abs wire on the right hand rear drive                                                                                                                                                                                                                                                                      | 7:09AM 12/8/2023  |
| 98 Mack | 540,578 check tire pressure/ fluid levels        | checked fluid levels. grease truck                                                                                                                                                                                                                                                                                  | 2:51PM 11/16/2023 |
| 98 Mack | right hand side rear tail light is out           | tires psi and set the tire psi to 100 psi<br>replaced light bulb on rear tail light. checked                                                                                                                                                                                                                        |                   |
| 98 Mack | 540,578 check tire pressure/ fluid levels        | checked fluid levels. grease truck                                                                                                                                                                                                                                                                                  | 2:51PM 11/16/2023 |
| 98 Mack | right hand side rear tail light is out           | tires psi and set the tire psi to 100 psi<br>replaced light bulb on rear tail light. checked                                                                                                                                                                                                                        |                   |
| 98 Mack | 540,578 issues                                   | check over truck fix any issues                                                                                                                                                                                                                                                                                     | 7:13AM 12/8/2023  |
| 98 Mack | 358,999                                          | check over truck make a list, fix any                                                                                                                                                                                                                                                                               |                   |
| 98 Mack | 358,999 Truck Fails to turn over.                | tested and started truck.                                                                                                                                                                                                                                                                                           | 4:02PM 10/6/2023  |
| 98 Mack |                                                  | then installed cables and a new nut<br>used a thread chaser and cleaned the threads<br>removed nut and cables to that terminal.<br>on the ground that was cross threaded.<br>battery stud on the middle battery had a stud                                                                                          |                   |
| 98 Mack | 358,999 Truck Fails to turn over.                | tested and started truck.                                                                                                                                                                                                                                                                                           | 4:02PM 10/6/2023  |
| 98 Mack |                                                  | then installed cables and a new nut<br>used a thread chaser and cleaned the threads<br>removed nut and cables to that terminal.<br>on the ground that was cross threaded.<br>battery stud on the middle battery had a stud                                                                                          |                   |
| 98 Mack | 358,517                                          |                                                                                                                                                                                                                                                                                                                     |                   |
| 98 Mack | 358,517 Inspect both steer wheel seals for leaks | -Re-installed steer wheels                                                                                                                                                                                                                                                                                          | 5:20PM 8/28/2023  |
| 98 Mack |                                                  | -Replaced hub caps w/ gasket and hardware<br>bearings and races and wheel seal<br>-Removed and replaced passenger side hub<br>seal<br>-Removed and replaced driver's side wheel<br>-Degreased steer axle ends<br>Asher 8/17/23<br>hub assemblies<br>-Raised front axle and removed both steer axle<br>Asher 8/16/23 |                   |
| 98 Mack | 358,517 Inspect both steer wheel seals for leaks | -Re-installed steer wheels                                                                                                                                                                                                                                                                                          | 5:20PM 8/28/2023  |
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|         |         |                                          |                                                                                                                                                                                                                                                                                               |                  |
|---------|---------|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| 98 Mack | 358,517 | Inspect both steer wheel seals for leaks | -Re-installed steer wheels<br>-Replaced hub caps w/ gasket and hardware<br>-Replaced passenger side hub seal<br>-Removed and replaced driver's side wheel<br>-Degreased steer axle ends<br>Asher 8/17/23<br>hub assemblies<br>-Raised front axle and removed both steer axle<br>Asher 8/16/23 | 5:20PM 8/28/2023 |
| 98 Mack | 358,517 | Inspect both steer wheel seals for leaks | -Re-installed steer wheels<br>-Replaced hub caps w/ gasket and hardware<br>-Replaced passenger side hub seal<br>-Removed and replaced driver's side wheel<br>-Degreased steer axle ends<br>Asher 8/17/23<br>hub assemblies<br>-Raised front axle and removed both steer axle<br>Asher 8/16/23 | 5:20PM 8/28/2023 |
| 98 Mack | 358,517 | Inspect both steer wheel seals for leaks | -Re-installed steer wheels<br>-Replaced hub caps w/ gasket and hardware<br>-Replaced passenger side hub seal<br>-Removed and replaced driver's side wheel<br>-Degreased steer axle ends<br>Asher 8/17/23<br>hub assemblies<br>-Raised front axle and removed both steer axle<br>Asher 8/16/23 | 5:20PM 8/28/2023 |
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| 98 Mack | 358,517 | Inspect both steer wheel seals for leaks | -Re-installed steer wheels<br>-Replaced hub caps w/ gasket and hardware<br>-Replaced passenger side hub seal<br>-Removed and replaced driver's side wheel<br>-Degreased steer axle ends<br>Asher 8/17/23<br>hub assemblies<br>-Raised front axle and removed both steer axle<br>Asher 8/16/23 | 5:20PM 8/28/2023 |
| 98 Mack | 358,517 | Inspect both steer wheel seals for leaks | -Re-installed steer wheels<br>-Replaced hub caps w/ gasket and hardware<br>-Replaced passenger side hub seal<br>-Removed and replaced driver's side wheel<br>-Degreased steer axle ends<br>Asher 8/17/23<br>hub assemblies<br>-Raised front axle and removed both steer axle<br>Asher 8/16/23 | 5:20PM 8/28/2023 |

|         |                                                      |                                                                                                                                                                                                                                                              |                   |
|---------|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| 98 Mack | 18000 Full Wet Service (Lube, Oil & 358,517 Filters) | -Removed and replaced motor oil<br>-Removed and replaced oil filters<br>(Fluid was already low)<br>-Removed and replaced transmission fluid<br>-Removed and replaced fuel filters                                                                            | 10:05PM 8/17/2023 |
| 98 Mack | 18000 Full Wet Service (Lube, Oil & 358,517 Filters) | -Removed and replaced motor oil<br>-Removed and replaced oil filters<br>(Fluid was already low)<br>-Removed and replaced transmission fluid<br>-Removed and replaced fuel filters                                                                            | 10:05PM 8/17/2023 |
| 98 Mack | 18000 Full Wet Service (Lube, Oil & 358,517 Filters) | -Removed and replaced motor oil<br>-Removed and replaced oil filters<br>(Fluid was already low)<br>-Removed and replaced transmission fluid<br>-Removed and replaced fuel filters                                                                            | 10:05PM 8/17/2023 |
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| 98 Mack | 18000 Full Wet Service (Lube, Oil & 358,517 Filters) | -Removed and replaced motor oil<br>-Removed and replaced oil filters<br>(Fluid was already low)<br>-Removed and replaced transmission fluid<br>-Removed and replaced fuel filters                                                                            | 10:05PM 8/17/2023 |
| 98 Mack | 358,517 Air leak around engine                       | -Ran truck and sprayed engine bay for air leaks with soapy water<br>-Found multiple air leaks in air compressor location<br>-Removed and replaced leaking/ broken quick connections<br>-Ran truck and checked for air leaks on new connections and air lines | 3:01PM 8/16/2023  |
| 98 Mack | 358,517 Air leak around engine                       | -Ran truck and sprayed engine bay for air leaks with soapy water<br>-Found multiple air leaks in air compressor location<br>-Removed and replaced leaking/ broken quick connections<br>-Ran truck and checked for air leaks on new connections and air lines | 3:01PM 8/16/2023  |

|         |         |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                    |                  |
|---------|---------|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| 98 Mack | 358,517 | Inspect condition and wear of tires | <p>drive recap tires</p> <p>-Broke down and replaced tires with 11R22.5</p> <p>-Removed rear drive axle wheels</p> <p>Asher 8/11/23</p>                                                                                                                                                                                                                                                                                            | 2:56PM 8/16/2023 |
| 98 Mack | 358,517 | Inspect condition and wear of tires | <p>drive recap tires</p> <p>-Broke down and replaced tires with 11R22.5</p> <p>-Removed rear drive axle wheels</p> <p>Asher 8/11/23</p>                                                                                                                                                                                                                                                                                            | 2:56PM 8/16/2023 |
| 98 Mack | 358,517 | #3 brake shoes cracked              | <p>-Found correct brake shoes in inventory and replaced #3 brake shoes and brake drum</p> <p>Asher 8/11/23</p> <p>-Inspected and removed #3 brake shoes (Waiting on new shoes)</p> <p>Asher 8/15/23</p>                                                                                                                                                                                                                            | 9:59PM 8/17/2023 |
| 98 Mack | 358,517 | #3 brake shoes cracked              | <p>-Found correct brake shoes in inventory and replaced #3 brake shoes and brake drum</p> <p>Asher 8/15/23</p> <p>-Inspected and removed #3 brake shoes (Waiting on new shoes)</p> <p>Asher 8/14/23</p>                                                                                                                                                                                                                            | 9:59PM 8/17/2023 |
| 98 Mack | 358,517 | #3 brake shoes cracked              | <p>-Found correct brake shoes in inventory and replaced #3 brake shoes and brake drum</p> <p>Asher 8/15/23</p> <p>-Inspected and removed #3 brake shoes (Waiting on new shoes)</p> <p>Asher 8/14/23</p>                                                                                                                                                                                                                            | 9:59PM 8/17/2023 |
| 98 Mack | 358,517 | #2 drive brake chamber mount broken | <p>-Adjusted brakes</p> <p>pin</p> <p>brake chamber, slack adjuster with new clevis</p> <p>-Paint treated welded bracket, installed new place</p> <p>Asher 8/15/23</p> <p>-cut and made new backing plate. Welded in</p> <p>Russ 8/15/23</p> <p>surface for repair</p> <p>chamber, cut out brake chamber and prepped</p> <p>-Removed slack adjuster for #4 brake</p> <p>-Removed drive wheels #7 &amp; #8</p> <p>Asher 8/14/23</p> | 3:07PM 8/28/2023 |
| 98 Mack | 358,517 | #2 drive brake chamber mount broken | <p>-Adjusted brakes</p> <p>pin</p> <p>brake chamber, slack adjuster with new clevis</p> <p>-Paint treated welded bracket, installed new place</p> <p>Asher 8/15/23</p> <p>-cut and made new backing plate. Welded in</p> <p>Russ 8/15/23</p> <p>surface for repair</p> <p>chamber, cut out brake chamber and prepped</p> <p>-Removed slack adjuster for #4 brake</p> <p>-Removed drive wheels #7 &amp; #8</p> <p>Asher 8/14/23</p> | 3:07PM 8/28/2023 |

|         |                                             |                                                                                                                                                                                                                                                                                                                                                              |                  |
|---------|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| 98 Mack | 358,517 #2 drive brake chamber mount broken | <p>Asher 8/14/23<br/>-Removed drive wheels #7 &amp; #8<br/>-Removed slack adjuster for #4 brake chamber, cut out brake chamber and prepped surface for repair<br/>Russ 8/15/23<br/>-cut and made new backing plate. Welded in place<br/>Asher 8/15/23<br/>-Paint treated welded bracket, installed new brake chamber, slack adjuster with new clevis pin</p> | 3:07PM 8/28/2023 |
| 98 Mack | 358,517 #2 drive brake chamber mount broken | <p>Asher 8/14/23<br/>-Removed drive wheels #7 &amp; #8<br/>-Removed slack adjuster for #4 brake chamber, cut out brake chamber and prepped surface for repair<br/>Russ 8/15/23<br/>-cut and made new backing plate. Welded in place<br/>Asher 8/15/23<br/>-Paint treated welded bracket, installed new brake chamber, slack adjuster with new clevis pin</p> | 3:07PM 8/28/2023 |
| 98 Mack | 358,517 #2 drive brake chamber mount broken | <p>Asher 8/14/23<br/>-Removed drive wheels #7 &amp; #8<br/>-Removed slack adjuster for #4 brake chamber, cut out brake chamber and prepped surface for repair<br/>Russ 8/15/23<br/>-cut and made new backing plate. Welded in place<br/>Asher 8/15/23<br/>-Paint treated welded bracket, installed new brake chamber, slack adjuster with new clevis pin</p> | 3:07PM 8/28/2023 |
| 98 Mack | 358,517 #2 drive brake chamber mount broken | <p>Asher 8/14/23<br/>-Removed drive wheels #7 &amp; #8<br/>-Removed slack adjuster for #4 brake chamber, cut out brake chamber and prepped surface for repair<br/>Russ 8/15/23<br/>-cut and made new backing plate. Welded in place<br/>Asher 8/15/23<br/>-Paint treated welded bracket, installed new brake chamber, slack adjuster with new clevis pin</p> | 3:07PM 8/28/2023 |

|         |                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                  |
|---------|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|
| 98 Mack | 358,517 #2 drive brake chamber mount broken | <p>Asher 8/14/23<br/>-Removed and replaced #3 &amp; #4 airbags (Had to cut airbag hardware with cutoff wheel and torch)</p> <p>Asher 8/14/23<br/>-Removed drive wheels #7 &amp; #8<br/>-Removed slack adjuster for #4 brake chamber, cut out brake chamber and prepped surface for repair<br/>Russ 8/15/23<br/>-cut and made new backing plate. Welded in place<br/>Asher 8/15/23<br/>-Paint treated welded bracket, installed new brake chamber, slack adjuster with new clevis pin</p> <p>-Adjusted brakes</p> | 3:07PM 8/31/2023 |
| 98 Mack | 358,517 #3 & #4 airbags leaking             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                  |
| 98 Mack | 358,517 #2 drive brake chamber mount broken | <p>Asher 8/14/23<br/>-Adjusted brakes</p> <p>-Removed drive wheels #7 &amp; #8<br/>-Removed slack adjuster for #4 brake chamber, cut out brake chamber and prepped surface for repair<br/>Russ 8/15/23<br/>-cut and made new backing plate. Welded in place<br/>Asher 8/15/23<br/>-Paint treated welded bracket, installed new brake chamber, slack adjuster with new clevis pin</p> <p>-Adjusted brakes</p>                                                                                                     | 3:07PM 8/28/2023 |
| 98 Mack | 358,517 #2 drive brake chamber mount broken | <p>Asher 8/14/23<br/>-Adjusted brakes</p> <p>-Removed drive wheels #7 &amp; #8<br/>-Removed slack adjuster for #4 brake chamber, cut out brake chamber and prepped surface for repair<br/>Russ 8/15/23<br/>-cut and made new backing plate. Welded in place<br/>Asher 8/15/23<br/>-Paint treated welded bracket, installed new brake chamber, slack adjuster with new clevis pin</p> <p>-Adjusted brakes</p>                                                                                                     | 3:07PM 8/28/2023 |
| 98 Mack | 358,517 #2 drive brake chamber mount broken | <p>Asher 8/14/23<br/>-Adjusted brakes</p> <p>-Removed drive wheels #7 &amp; #8<br/>-Removed slack adjuster for #4 brake chamber, cut out brake chamber and prepped surface for repair<br/>Russ 8/15/23<br/>-cut and made new backing plate. Welded in place<br/>Asher 8/15/23<br/>-Paint treated welded bracket, installed new brake chamber, slack adjuster with new clevis pin</p> <p>-Adjusted brakes</p>                                                                                                     | 3:07PM 8/28/2023 |



| Date    | Time              | Vehicle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Mileage   | Technician           | Description                        |
|---------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------------|------------------------------------|
| 98 Mack | 10:57AM 2/23/2023 | Oil cartridge housing was cracked, replaced<br>with good used one from holtkamp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | #####     | Inspect Oil Leak     | with good used one from holtkamp   |
| 98 Mack | 10:55AM 2/23/2023 | Oil cartridge housing was cracked, replaced<br>with good used one from holtkamp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | #####     | Inspect Oil Leak     | with good used one from holtkamp   |
| 98 Mack | 1:33PM 2/16/2023  | coolant leak, need to diagnose and<br>replace batteries                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1,339,255 | replace batteries    |                                    |
| 98 Mack | 1:33PM 2/16/2023  | coolant leak, need to diagnose and<br>replace batteries                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1,339,246 | replace batteries    |                                    |
| 98 Mack | 5:33PM 2/16/2023  | coolant system at 15psi<br>Found water leak from broken hose from<br>water pump to top of engine<br>Had to look for buckets to drain coolant into<br>and drained coolant system<br>Looked for correct size line 1/4 inch water<br>line Could not find hose; had to drive to<br>holtkamp and get the correct line.<br>Repaired leak from 1/4 inch line and<br>pressured tested again at 15psi<br>Found multiple water leaks and the valve<br>gasket due to hose clamps that needed<br>tightened and or replaced<br>Replaced leaking coolant line clamps, after<br>having to drive to centrestate since we did not<br>have the correct size in our inventory<br>Pressure tested coolant again at 15psi and<br>found water leaks just below fuel filter<br>housing<br>Replaced coolant hose and clamps below<br>fuel filter housing<br>Filled coolant system with fresh coolant,<br>since the coolant drained out was blackish,<br>dark and oily<br>Pressure tested system at 15psi and found<br>water leak from coolant level sensor fitting<br>Replaced o-ring for fitting and pressure | 1,339,246 | repair leak or leaks | coolant leak, need to diagnose and |

[illegible]



| Unit    | Unit Type | Unit Miles | Complaint Description             | Service Description                                                                                                                                                                                                                                                                         | Date Action Completed |
|---------|-----------|------------|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| 98 Mack | 98 Mack   |            | TIRE INSPECTION                   | TIRE INSPECTION                                                                                                                                                                                                                                                                             | 3:07PM 10/31/2022     |
| 98 Mack | 98 Mack   | 1,329,725  | Remove and Replace #4 wheel seal  | * Removed wheels, brake drum and hub from hub #4<br>* Removed wheel seal, replaced wheel seal and installed hub and brake drum on hub (Torqued to spec)<br>* Installed axle with new axle seal<br>* Installed wheels and torqued lugs at (450ft-lbs)<br>* Topped off differential oil level | 1:53PM 11/22/2022     |
| 98 Mack | 98 Mack   | 1,329,725  | Remove and Replace #4 wheel seal  | * Removed wheels, brake drum and hub from hub #4<br>* Removed wheel seal, replaced wheel seal and installed hub and brake drum on hub (Torqued to spec)<br>* Installed axle with new axle seal<br>* Installed wheels and torqued lugs at (450ft-lbs)<br>* Topped off differential oil level | 1:53PM 11/22/2022     |
| 98 Mack | 98 Mack   | 1,329,725  | Remove and Replace #4 wheel seal  | * Removed wheels, brake drum and hub from hub #4<br>* Removed wheel seal, replaced wheel seal and installed hub and brake drum on hub (Torqued to spec)<br>* Installed axle with new axle seal<br>* Installed wheels and torqued lugs at (450ft-lbs)<br>* Topped off differential oil level | 1:53PM 11/22/2022     |
| 98 Mack | 98 Mack   | 1,329,725  | Remove and Replace #4 wheel seal  | * Removed wheels, brake drum and hub from hub #4<br>* Removed wheel seal, replaced wheel seal and installed hub and brake drum on hub (Torqued to spec)<br>* Installed axle with new axle seal<br>* Installed wheels and torqued lugs at (450ft-lbs)<br>* Topped off differential oil level | 1:53PM 11/22/2022     |
| 98 Mack | 98 Mack   | 1,329,725  | Remove and Replace - #7, #8 tires | Remove and Replace - #7, #8 tires Remove and Replace - #7, #8 tires Remove and Replace - #7, #8 tires                                                                                                                                                                                       | 1:53PM 11/22/2022     |