

Unit	Model	Date	Work Order Details
1624	950FL	6/11/2023	Find unit in pit, door stuck open. Removed interior panels & released door. Taped door latched again
1624	950FL	6/13/2023	T/S. engine codes. Engine derated Data connection will not read computer
1624	950FL	6/24/2023	Removed turbo and EGR cooler
1624	950FL	6/25/2023	Installed egr cooler/turbo/hoses /coolant line/full up with coolant checked for leaks
1624	950FL	6/25/2023	Helped with egr change out
1624	950FL	6/25/2023	Hooked up computer to unit. Started to regen then failed. Did scr system test also failed. Saying flow restriction.
1624	950FL	6/26/2023	Engine code Part ordered (EGR valves)
1624	950FL	6/27/2023	A Installed EGR valve .
1624	950FL	6/28/2023	Assisted senior mechanic
1624	950FL	6/28/2023	Travel to unit and troubleshoot Scr derate .codes present for dosing, not complete and reluctant air valve activation on. Troubleshoot and found blown airline to reluctant air miles removed so it can be spliced.
1624	950FL	6/28/2023	Checking for engine code . Run hoe for a 1.5 hours no code came back .
1624	950FL	6/28/2023	Drove to line 14. Hooked up my volvo adapter thompson one wasn't working. Had dosing failure. Pulled dosing unit and tested has a week stream.
1624	950FL	6/29/2023	Repair airline pressuring dosing valve, connect to unit and follow troubleshooting tree and run multiple tests until codes disappeared and sout levels below 10%, reassemble with travel
1624	950FL	7/10/2023	Unit has codes for under Boost, check in lead and exhaust lines for leaking, check EGR valve function all good except for slight exhaust leak which is possibly the cause also found air leak at air cooler. Side and several exhaust clamps put unit back to work to see if code goes away.
1624	950FL	7/11/2023	Turbo overheating, coil that help cool turbo has broken fitting at coil, parts ordered
1624	950FL	7/13/2023	Drove to line 14 Accessed damage Pull tracks out Back blade Get tracks on Gouge out broken pin Install new pin
1624	950FL	7/13/2023	Roll track back out and get set up to set machine back on track and get together and get new pin to fit and weld
1624	950FL	7/15/2023	Travel to unit and setup work area. Installed new fittings, removed old air dryer and installed new ones. Had to repair threads on one of the compression fittings, fought to get them back on. Units up

1624	950FL	7/21/2023	Troubleshoot codes, check all air lines for leaks. Found relay leaking, stripped apart but seal failure, tried straighten out seal and lube but still leaking, needs replaced or seal kit,with travel
1624	950FL	7/26/2023	Had pressure limiting valve delivered installed. Started excavator could still hear air leaking. Found air blowing out of charge air pipe and v clamp ordered.
1624	950FL	7/29/2023	Drove to machine. Replaced leaking turbo boot. Started machine and still had active scr code. Drove back to yard to get computer and connection. Drove back. Connected. Cleared code. Did def injector purge test. Pushed a burn through. Code did not reappear
1624	950FL	8/1/2023	Walk unit out of cut, t/s derate. Found air line blown to purge valve. Return to the yard to find something to repair line. Patched. Hose is old a brittle. Codes for air leak gone but still had codes for underboost an fuel air valve actuator stuck closed. T/s. Found exhaust like at Egr cooler. Repaired. T/s fuel air valve code. Unit won't regen. Unplugged. Code changes to circuit open. Checked fuel an air is getting to it. Ordered parts
1624	950FL	8/9/2023	Air fuel actuator replacement, force burn, clear codes. Worked gor an hour and derate again, this time hole burnt in synflex air line, remove aire line and join with barbed fitting and hose camps, plug in do burn, derate stopped
1624	950FL	8/9/2023	Air fuel actuator replacement, force burn, clear codes. Worked gor an hour and derate again, this time hole burnt in synflex air line, remove aire line and join with barbed fitting and hose camps, plug in do burn, derate stopped
1624	950FL	8/18/2023	Walked unit off of pile, diagnosed RH track pin busted, travel back to yard
1624	950FL	8/22/2023	Cut out old track pin, clean bores and grind down new pin, get track wrapped again ready for reassembly for night shift
1624	950FL	8/22/2023	Get permit. Wait for AA to sign permit. Join track. Install track pin. Weld pin in place. Sign out permit.
1624	950FL	8/22/2023	Remove broken pins from track, position and wrap track under machine start putting together
1624	950FL	8/22/2023	Helped pin track
1624	950FL	8/22/2023	Wrap track and removed broken pin.
1624	950FL	9/13/2023	Built new hose in shop. Drove to dyke 14 setup work area. Installed hose and tested. Cleaned up.

1624	950FL	9/13/2023	Drove to machine. Had to wait for operator to come to run machine. Found leak on fitting on centre valve block. Disconnected hose and replaced blown oring. Connected hose. Ran machine again found leak had slowed down to a drip. Removed hose. Checked for debris. Installed a new orning. Tested. Still drips. Removed hose found small scar on fitting. Removed hose from machine. Capped ports. Brought hose to laydown to be rebuilt
1624	950FL	9/19/2023	Had to search for unit, got to it and setup work area. Found the hose that needed to be replaced and removed it. New hose wasn't correct, had to fight to get it in, had to pull off and move some other hoses. Got it in and fired unit up and leak tested.
1624	950FL	9/26/2023	Travel to Dyke 14, removed bucket, stick bearing retainers and bearings, welded and removed busted retainer bolts, installed new bearings and new retainer with hardware, missing bucket pin seals, cleaned up area, travel bracket to yard
1624	950FL	9/26/2023	Wrap up from ice lugging, drive down to excavator, string out and set up air gouge out bushings. Wrap up drive back up to dozer
1624	950FL	9/26/2023	Load parts and tools todo job , remove and install bearings, clean work area
1624	950FL	9/27/2023	Finnish installing seals , assembly buck and h link
1624	950FL	9/27/2023	Travel to Dyke 14, cleaned bores for bucket seals and installed new bucket pin seals, installed new bucket pins
1624	950FL	9/29/2023	Drove to machine. Found leaks on right boom lift hoses. Did not dissemble so machine could stay up. Ordered hoses and seals
1624	950FL	10/1/2023	Unit lost a tooth. Drive to laydown to get a new retainer. Was escorted into area by foreman. One ear is missing from tooth, installed as required.
1624	950FL	10/2/2023	Troubleshoot an diag starter an engine harness nfg . Removed starter an harness. Spliced an repaired harness. Replaced starter an harness. Crossed to night shift to finish
1624	950FL	10/2/2023	Corrected and finished wiring connections. Started engine. Ran terrible then died. Did checks found fuel primer was up. Primed fuel system but sediment bowl blew off of filter. Drove to yard got new filter and bowl drove back. Installed. Primed. Engine would still only run then die. Had senior mechanic come up to assist. Reprimed fuel system. Broke sediment bowl again. Got new and installed. Primed system. Then noticed positive air shut off was tripped. Reset. Engine started but poured smoke out of dpf. Downed equipment and ordered dpf gaskets
1624	950FL	10/8/2023	Remove exhaust elbow replace seals
1624	950FL	10/9/2023	Remove exhaust and dpf clean out cartridge install back and test
1624	950FL	10/11/2023	Airlines broke coming off tank parts ordered

1624	950FL	10/11/2023	Travel out to area and wait for unit to walk out. Door latch release isn't working. Disassembled cab to get to door release and found it missing a nut for the handle. Didn't have a new one on truck. Released the door and reassembled cab
1624	950FL	10/11/2023	Drove up to pit unit was in full derate. Tried to hook up computer wouldn't connect. Found the connector was beat up. Removed pins and fixed. Got computer hooked up. Seen air reductant injection code. Found 2 broken air lines one right at fitting
1624	950FL	10/12/2023	Had to search around and find unit. Got up to it and setup work area. Found the busted up air lines and got them all removed. None of the airline I brought with me would work, had more brought up and none of it worked either. Waited for parts, got new 5/8 and 3/8 air line installed. Cleaned fittings up best I could, one has a broken ferrule. Fired unit up and tested, air leaks are fixed but derate is still there.
1624	950FL	10/12/2023	Drove up to pit. Changed oring on leaking air line. Hooked up computer found old codes gone but new ones for reductant injection pressure high and fuel pressure sensor open. Got called away
1624	950FL	10/15/2023	Travel to Line 13, diagnosing SCR codes- good system working with computer doing tests and functions, DPF code active and wouldn't burn- diagnosing code and found already repaired wire harness repaired incorrectly- corrected wire harness and codes disappeared and unit did burn, removed and replaced RH boom cylinder hoses, waited for oil and tested- no leaks, travel back to yard
1624	950FL	10/15/2023	Grab parts install dryer cartridge and orings.
1624	950FL	10/18/2023	Bucket 051. Needs corner blocks. And needs adapters they r starting to get holes in them
1624	950FL	10/18/2023	Installed 6 new carrier rollers
1624	950FL	10/18/2023	Assist mechanics in changing carrier bolts
1624	950FL	10/18/2023	Dug out and removed the 6 carrier rollers. Installed new ones.
1624	950FL	10/20/2023	Look up codes Code for scr air line leaking. Clamp broken and shims missing on inlet side of exhaust.
1624	950FL	10/20/2023	Call-out for unit in derate. Got driven to unit by area foreman. Checked codes, has emissions and engine codes with multiple counts. Warnings on dash. Advised to move unit to another area to be able to be worked on. Tried to hook up with laptop but wires are pulled out from behind the OBD2 connector. To be repaired and diagnosed further.
1624	950FL	10/21/2023	Travel to Line 12, inspecting egr system, travel back to laydown and made parts list in computer
1624	950FL	10/27/2023	Remove def filter blow out and install

1624	950FL	10/28/2023	Install 1 line try to find where other line goes to no avail
1624	950FL	10/28/2023	Diagnose engine codes. Found that diag port had a damaged pin with wire pulled out. Repaired as required. Connect to unit and try to warm up. Kept on losing connection intermittently. Checked fuses no issues. Checked over unit for any obvious electrical issues. Found that when connecting to diag port it would push pins out and when removing connector from port would pull pins back in. Was able to hold pins in place with picks and get connected properly. Inspect unit further and found that EGR outlet from valve to cooler was off missing clamp. Had parts ran out and installed as required. Ran and checked unit for leaks. Found that pipe was leaking air, will register an EGR insufficient flow code due to this. Found burst air line to air tank. Went to source parts for unit, have no access to 950F online. Looked up EGR pipe against a wiggle which has the same engine. Eventually found air line and fittings that were previously ordered. Crossed over with nightshift.
1624	950FL	10/29/2023	Continue with diagnosis of engine codes. Found another air leak. Was able to make something work to fix air leak. Had repetitive issues with connecting to unit, waiting on parts to repair diagnostic port. Ran regen, was able to pass and get down to 11% spot load. Informed supervision of condition of unit and will order parts with assistance from PCY due to not having access to 950F on our system.
1624	950FL	10/30/2023	Checked bucket again just to see exactly we need to be repaired and corks are good for now
1624	950FL	10/30/2023	Lugs are good Bucket needs work Fixed guard rail at top of machine
1624	950FL	11/4/2023	DPF codes. Found airleak at fitting, Ferrell oval-shaped and wouldn't seal, to warehouse to get fitting. Replace and airleak repaired, lap top died and no charger with laptop or in office. Needs to regen test to clear code
1624	950FL	11/16/2023	Hook up heat trailer & set up area. Drain final & remove. Hardware is on frame, master pin on railing
1624	950FL	11/17/2023	Remove DPF, found cracked in numerous places. Bring back to office for supervision to inspect
1624	950FL	11/21/2023	Install dpf filter, did not start up to test because RH final was removed
1624	950FL	11/30/2023	Build bracket to remove cover/ ring gears, disassemble final drive, try and make socket to remove carrier retaining bolts,
1624	950FL	12/4/2023	Remove carrier bolts, and carrier
1624	950FL	12/6/2023	Clean up final drive parts

1624	950FL	12/14/2023	No number on bucket. Needs new adapters or we can put ar-plate on top mite last for a bit and put more build up around adapters and corner blocks
1624	950FL	1/5/2024	Clean up surfaces , wait for final unload from truck , air dirt off other final covers to get orientation of track motor
1624	950FL	1/6/2024	Install final and wait for proper torque specs on bolts , bolts are torque to 1271 ftlb
1624	950FL	1/7/2024	Try to install travel motor , wrong adaptor , remove adaptor install other adaptor try to install pipes oriented incorrectly removed final move 1 bolt hole was to high hitting frame when move 1 bolt to low hitting frame.
1624	950FL	1/8/2024	Installed right hand final drive adaptor plate.. Torque all bolts hooked up hoses Installed track . Master pin needs weld
1624	950FL	1/8/2024	Remove travel motor , turn final ahead one bolt mount ,turn adaptor back one tooth , check alignment , good install nominal mounting bolts torque to 1271 ftlb I Hook up piping and hoses , join track
1624	950FL	1/9/2024	Install track pad
1624	950FL	1/9/2024	Start unit check codes , check to see if dpffiltrr install
1624	950FL	1/9/2024	Warm unit up check codes remove and check dpf for proper installation check wiring perform reset on system
1624	950FL	1/9/2024	Travel to unit, DPF not installed and pressure sensor codes active, checked wiring to DPF and ECM- good, started unit and warmed up, performed DPF tests- not installed code disappeared, activated arctic regeneration and pressure code disappeared, tested unit-good, reinstalled hood panels
1624	950FL	1/9/2024	Got my welder running then welded track pin in. And helped with putting pads back on and cleaning area for mechanic
1624	950FL	1/12/2024	Install travel motor o ring and guard
1624	950FL	1/15/2024	Put heat on eng and trap in, boost battery, chipped out lh final install gaurd. Fired up unit and demob
1624	950FL	1/17/2024	Clean up and wash parts
1624	950FL	1/18/2024	Wash parts, clean up planetary carriers with varsol, assemble final drive hub, install carrier and torque bolts, install planetary gears
1624	950FL	1/21/2024	MOB in unit had to steel radio out of down unit,
1624	950FL	1/23/2024	Drive to unit inspect found hyd leak on block remove guards and hoses remove and replace oring reinstall hoses test all good reinstall gaurds

1624	950FL	1/24/2024	Emission codes and derate soon came up. Look into codes found air system for dosing failure. Ts found blown line ran by exhaust. Removed off of 1697 chase to order parts to replace ran out of time. Installed cleared codes ran def dosing system test and was good. Sent back to work
1624	950FL	1/24/2024	SCR faults. Diagnose fault. Remove failed air line from unitsteal parts from 1697. Replace. Test Units a go
1624	950FL	1/26/2024	Wash ring gear/ cover, assemble ring gear and cover onto sprocket up
1624	950FL	1/31/2024	Checked codes ran test on def system found differential pressure sensor reading 0. Going to replace sensor first. Sensor on order. If the sensor doesn't fix the problem needs to check the def filter for cracks
1624	950FL	2/6/2024	Set up work area Move machine to level ground Pull tracks around, push under machine Chip mud Rapped the tracks Note: The idler will have to be heated and the slides cleaned out in order to push back in idler. End of shift cleanup.
1624	950FL	2/6/2024	Assist wrapping tracks
1624	950FL	2/6/2024	Get heat on idler. Try push in, won't move. Try pull out a bit to clean mud out, wouldn't move.
1624	950FL	2/7/2024	Order parts, remove track pads, remove broken track pin, line up and wrap tracks with dummy pin. Clean up mating surfaces
1624	950FL	2/7/2024	Assist with removal of track pads (spline gun)
1624	950FL	2/7/2024	Wrapped track, cleaned and extracted broken pin, assembled with dummy pin, ordered parts
1624	950FL	2/7/2024	Wrap tracks
1624	950FL	2/9/2024	Clean / hog out pin bores in track links. Install pin, weld pin in place. Install track pads.
1624	950FL	2/9/2024	Travel out to the 117 and boosted unit to get it running
1624	950FL	2/9/2024	Gouge out old broken pin, grind out pin bores, pull tracks together and pound in new pin. Weld pin in and install track pads.
1624	950FL	2/9/2024	Travel out to the 117 checked for leaks found a blown o ring on one of the lines on the left side of the valve bank changed the o ring ran unit and tested good sent unit back to work
1624	950FL	2/11/2024	Replace o rings on leaking fittings, rear left of main hydraulic control valve
1624	950FL	2/11/2024	Arrive at unit, locate leak. Remove fittings, replace o-rings on fittings. Re-install and test, test ik
1624	950FL	2/13/2024	Check for leaks. Repair small control valve leak

1624	950FL	2/20/2024	Diagnosed starter not working. Removed starter and checked in parts can for starter. Ordered new starter
1624	950FL	2/23/2024	Asked for guidance with starter. Take old starter and pictures of starter hook up on other unit. Travel to unit and aid in instalation.
1624	950FL	2/23/2024	Install gasket with purple gasket maker on both sides. Attempted to install starter found it would not quite fit in the hole. Buffed down surface on starter and retried. Hook up all wires and reinstall removed components. Fired up unit to ensure she started.
1624	950FL	2/25/2024	Drove to unit, found oil leak from o-ring on line at control valve, pulled line off, replaced o-ring and had oil topped up, returned unit to work.
1624	950FL	2/26/2024	Find leak, remove failed fitting order prts
1624	950FL	2/27/2024	Replace and reroute leaking fittings
1624	950FL	2/28/2024	Hose fitting leaking on control valve tighten hose and put unit back to leak
1624	950FL	2/28/2024	Help repair leaking fitting
1624	950FL	2/29/2024	Checked over machine Found loose fitting on the hose: Left side back of valve bank. Loosen hose, tighten fitting to the block, was able to get two wrenches to bubble up on tightening. Clean up oil, put covers back up. Monitor teams End of the day clean up
1624	950FL	3/1/2024	Drove to unit, completed shift change inspection, teeth starting to round off, track frames full of mud.
1624	950FL	3/2/2024	Drove to lay down and looked to replacement bucket tooth and keeper, drove back out to unit, cleaned mud off of tooth adapter, installed new bucket tooth and keeper, returned unit to work.
1624	950FL	3/3/2024	Drove to unit, set up work area, operated unit while other tech inspected for source of leak, got called to another unit.
1624	950FL	3/3/2024	Inspect unit for hydraulic leak. Found loose fitting in control valve. Remove lines to access. Remove hose and fitting. Replace o rings on fitting and re install. Install other hoses. Wait for lube truck to top up oil. Test unit.
1624	950FL	3/3/2024	Found loose hose fitting under valve bank. Tighten hose fitting Stopped leaking Put unit cover back up Clean up work area.
1624	950FL	3/6/2024	Straighten catwalks
1624	950FL	3/6/2024	Used come along to pull steps back in place and retighten bolts
1624	950FL	3/7/2024	Drive out to unit, inspect to find hydraulic oil leak. Locate leak coming from control valve. Tighten up loose fittings. Call fuel and lube, and top up oil.
1624	950FL	3/8/2024	Drove to unit and installed a tooth

1624	950FL	3/9/2024	Help straighten cat walks on unit
1624	950FL	3/9/2024	Drive out to unit at pond 3 on 117. Connect laptop, clear codes (engine system failure) . Perform manual service regen.
1624	950FL	3/9/2024	Got to unit hooked up computer found codes for ahi module tested unit and followed the guided diagnostic procedure. Ordered AHI and the dosing injector
1624	950FL	3/10/2024	Took sensors from 1661 to keep this unit up and running
1624	950FL	3/10/2024	Water in fuel code, repaired connector on fuel water seperator.
1624	950FL	3/11/2024	Looked unit over checked for codes and to make sure it was regening
1624	950FL	3/12/2024	Checked unit to make sure it's regening and for any leaks
1624	950FL	3/16/2024	Replaced coax end and moved plug in to 12v port
1624	950FL	3/21/2024	Replace fuel dosing unit, vacuum switch, fuel cap and various other components. Plugged in computer and cleared codes. Ran unit for 30 min and code did not come back.
1624	950FL	3/22/2024	Drove to unit, performed shift change inspection.
1624	950FL	3/24/2024	Ran test on computer checked codes followed the diagnostic tests ran a regen and put it back to work
1624	950FL	3/24/2024	Travel to the unit helped Joseph trouble shoot the codes and got unit to do a regen
1624	950FL	3/24/2024	Drove to unit, hooked up computer to check for codes, found codes for extremely high spot load due to regeneration aborted as well as inactive codes for ambient air temperature sensor shorted low codes. Cleared inactive codes and forced parked regeneration, took quite a while but regeneration completed and soot load dropped to 0%
1624	950FL	3/25/2024	Got to unit hooked up computer cleared codes ran a regen engine coded follow diagnostics found egr differential pressure sensor was bad. Went to 1680 took sensor off that unit and put sensor on 1624 ran a regen no codes
1624	950FL	3/26/2024	Installed new EGR differential pressure sensor, hooked up computer to unit, cleared codes, performed EGR function test, performed parked service regeneration, returned unit to work.
1624	950FL	3/26/2024	Hooked up computer for egr code found Venturi tube plugged up cleaned out and put back to work
1624	950FL	3/27/2024	Mob out loader with cylinder and bucket, truck, two unit and my mechanic truck, help strongco install new cylinder
1624	950FL	3/27/2024	Assist Strongco tech in stick cylinder replacement
1624	950FL	3/27/2024	Helped Strongco install stick cylinder

1624	950FL	3/28/2024	Drove to unit, set up work area, started unit and operated to identify hydraulic leak, found oil leaking from fitting on control valve, removed fitting, replaced o-ring, reinstalled fitting, operated unit to verify repair, waited for service to show up and fill hydraulic oil, returned unit to work.
1624	950FL	3/31/2024	Got to unit found leak down in the circle removed hoses that were in the way. Replaced o ring on hose that was leaking and replaced the rings on the hoses I had off. Cleaned up oil and put unit back to work
1624	950FL	4/2/2024	New set of bucket teeth.
1624	950FL	4/14/2024	Remove belly pans, remove all components in the way of accessing starter, remove cables and wires from starter. Remove starter. Clean mating surface for mounting new starter. Could not find a gasket for the starter, searched through sea cans, nothing on parts shelf. Parts ordered.
1624	950FL	4/14/2024	Remove starter. Prep to install new. No gasket. Attempt to locate gasket. No luck. Order parts
1624	950FL	4/15/2024	Install new starter and gasket, connect all cables and wires to starter. Reinstall all removed components. Fire up unit a few times to ensure starter is working properly. Check for leaks. Reinstall belly pan
1624	950FL	5/25/2024	Replace bucket barrel end hump hose oring
1624	950FL	5/28/2024	Drive out to past breaker at basemine. Install new tooth
1624	950FL	5/31/2024	Inspect unit for leak. Found leak at enviro drain on bottom of oil pan. Debris stuck in valve. Clean out valve. No leak at this time. Units a go
1624	950FL	5/31/2024	Drove to unit across bridge by crusher set up work area, removed belly pan, seated enviro drain, reinstalled belly pan
1624	950FL	6/2/2024	Drove from the R1 over by crusher main site. Found hydraulic leak from fitting on control valve. Tightened fitting and cleaned up oil
1624	950FL	6/17/2024	-replace damaged cab door latch -install battery cover
1624	950FL	6/22/2024	Tshoot no ac, coolant valve fucked up I believe master reset started working, tested for 20 minutes. Called it up
1624	950FL	6/24/2024	Helped repair step
1624	950FL	6/25/2024	Drive to machine across the bridge and check active codes. Over pressure of def system codes. Cleared code and ran unit up. Monitored emissions systems everything functioning correct sent back to work for now

1624	950FL	7/31/2024	- drove across the bring to the sand stock pile - re aligned tracks and got RH master pin back in, cleaned up damage on link and welded , filled the chewed up link so there is extra weld compare to normal. - found to more pins in the RH track that were spinning and chewing up the link, cleaned up damage and welded , same as the RH, extra weld due to damage
1624	950FL	7/31/2024	Repaired multiple track link pines, re installed pins that were walking out
1624	950FL	8/1/2024	Found belly pans on car body dented in. Hydraulic cooler is leaking and AC blowing warm. Operator wanted to run unit anyway.
1624	950FL	8/2/2024	Trouble shooting ac problem
1624	950FL	8/2/2024	Forms blender doors not working properly ordered door actuators. Pulled a vac on system and recharged
1624	950FL	8/3/2024	Drove to unit to check for coolant codes, could not get computer to hook up, had to restart computer, attempt to hook up multiple times and eventually got hooked up, found no active codes but multiple counts of coolant level sensor short to ground codes, checked over wiring for sensor, could not find any faults, ordered sensor.
1624	950FL	8/3/2024	Diagnose fault issue. Faulty sensor. Order parts
1624	950FL	8/4/2024	Manually put linkage on A/c
1624	950FL	8/6/2024	Replaced coolant level sensor.
1624	950FL	8/6/2024	Drove to unit across bridge, removed and replaced coolant level sensor, checked for codes, no codes present unit is good to go.
1624	950FL	8/10/2024	Blow out the. The cab filter and. Rads the AC started working
1624	950FL	8/12/2024	Drove to unit and inspected track link pin, found welds broken, prepped pins to be welded back into place and helped weld them in.
1624	950FL	8/12/2024	Welds broken on RH track link pin. Clean up and weld in track link pin.
1624	950FL	8/12/2024	Found fuel pressure codes are gone, unit has code for ambient air temperature sensor, could not find fault in wiring, ordered sensor.
1624	950FL	8/12/2024	Diagnose bad ambience air temperature sensor
1624	950FL	8/14/2024	Removed valve from top of air tank. Repaired crack in valve, re installed, changed air dryer. Called unit up
1624	950FL	8/15/2024	Find and repair air leaks. Regen unit no codes. Change parts that came for hvac box and sensor. Found fuel leak and repaired.
1624	950FL	8/15/2024	Repair air leaks. Perform regen. Units good to go
1624	950FL	8/21/2024	Seatbelt alarm going off. Found broken wires. Ordered parts.

1624	950FL	8/21/2024	Radio not working. Unplugged from 24V system into 12V system.
1624	950FL	8/21/2024	Checked unit over
1624	950FL	8/21/2024	Had to remove the top off the right hand control panel to get the bolt out for the seat belt installed the new seat belt and installed the top back on the control panel tested seat belt works good
1624	950FL	8/24/2024	Found unit and installed kick window
1624	950FL	9/8/2024	Drove to unit for complaints of engine system failure codes, found multiple electrical codes, inspected wiring harness, found engine harness rubbed through on front of engine repaired multiple rubbed through wires, reconnected harness, cleared codes and sent unit back to work.
1624	950FL	9/9/2024	Unit just quit wouldn't start. Found the starter only engages sometimes needs new starter need to check ring gear. Replaced extremely dusty air filters fixed some more of the engine wiring harness. Low fuel pressure sensor wiring connector is a mess fixed it up the best I could. Removed belly pans checked wiring to starter and found rubbed through wires on back side of engine fixed wires. Ran unit for a while didn't core or quit.
1624	950FL	9/11/2024	Found unit and demob unit
1624	950FL	9/13/2024	exhaust modification strip for steaming remove bucket
1624	950FL	9/13/2024	Emission modification, strip panels and send for wash, removed bucket.
1624	950FL	9/16/2024	check over make list
1624	950FL	9/17/2024	remove hydraulic cooler
1624	950FL	9/25/2024	Straighten belly pans.
1624	950FL	9/26/2024	Repair belly pans
1624	950FL	9/26/2024	Straighten belly pans and repair
1624	950FL	9/27/2024	Repair bucket
1624	950FL	9/27/2024	Set up and start cleaning to remove adapters
1624	950FL	9/28/2024	Gouging off adapters and lip savers
1624	950FL	9/28/2024	Remove old catwalks.
1624	950FL	9/29/2024	Cutting off old pieces of catwalk, prepping new catwalks for install
1624	950FL	9/29/2024	Gouging off adapters
1624	950FL	9/29/2024	Modified catwalks.
1624	950FL	9/30/2024	Fit up cat walk and tack
1624	950FL	9/30/2024	Prepping machine for new catwalks and installing RH side catwalk
1624	950FL	9/30/2024	Putting catwalks.

1624	950FL	9/30/2024	Help install catwalk
1624	950FL	9/30/2024	Finished gouging off adapters, ground clean. Flipped bucket and started gouging off lateral bars
1624	950FL	10/1/2024	Install catwalks.
1624	950FL	10/1/2024	Weld out catwalk
1624	950FL	10/1/2024	Gouging off lateral bars
1624	950FL	10/2/2024	Installing cat walks.
1624	950FL	10/2/2024	Weld catwalks
1624	950FL	10/3/2024	Installed cat walks.
1624	950FL	10/3/2024	Complete welding of catwalks Paint Clean up work area
1624	950FL	10/4/2024	Installed cat walks. Repair handle and paint catwalks.
1624	950FL	10/6/2024	Gouge bucket and grind
1624	950FL	10/7/2024	Prepped lateral bars
1624	950FL	10/7/2024	Fab stick end plates
1624	950FL	10/7/2024	Cleaned up bucket. Grind it and weld tabs for 5 inches flatbars.
1624	950FL	10/8/2024	Installed new lateral bars.
1624	950FL	10/8/2024	Fab stick end plates
1624	950FL	10/8/2024	Place lateral bars and tack
1624	950FL	10/9/2024	Machine stick end plates
1624	950FL	10/9/2024	install hyd cooler
1624	950FL	10/9/2024	Welding lateral bars
1624	950FL	10/9/2024	Install hyd cooler shroud's covers hoods and walkways
1624	950FL	10/10/2024	Finish welding lateral bars and cut prep install and weld corner blocks
1624	950FL	10/11/2024	Finish prepping and install welding corner blocks
1624	950FL	10/12/2024	Set up excavator and torch bolts for track pad removal to make room for track press.
1624	950FL	10/12/2024	Set up work area, start up unit and let warm up, walk unit onto pad, locate master link and set tracks in desired orientation, track pad bolts will not back out with heat and rad gun, cut out bolts, remove pads, grab roller stock package from laydown and stage up on pad, check that all needed components are in the boxes, clean up
1624	950FL	10/12/2024	Bring in material fabricate unit numbers and take measures to build brackts to mount on machine
1624	950FL	10/13/2024	Fabricate weld paint brackets for unit numbers and install
1624	950FL	10/13/2024	Fabricating brackets and installing number signs

1624	950FL	10/13/2024	Set up work area, press out master pins, take press back to warehouse, remove track from right side, tie up and label for transport, clean debris off rolling stock bolts, remove roller guards, remove roller, remove sprocket, remove carrier rollers, pull idler, tensioning spring on yolk is sheared off, take pics and send to Erick, inquire with Ross about ordering new spring assembly, remove idler from yoke, place yolk and broken off spring piece on a pallet and take to parts warehouse, block up right side frame and clean up, will continue tomorrow on left side.
1624	950FL	10/13/2024	Press pin both tracks, removed one side track wrapped and labeled, removed roller guards and rollers, idler, sprocket, separate spring from idler and sent spring for rebuilt. Clean up work area.
1624	950FL	10/14/2024	Set up work area, remove track from left side, wrap and label for transport, take tracks over to wash bay, set up left side blocking, remove guards, remove rollers, remove sprocket, final drive is leaking, sent pic to Erick and will discuss tomorrow, pull idler and remove from yoke, clean and inspect idler cavity and spring, clean and prep idler surfaces, install new idler and torque to spec, chip out dirt build up in frame, dispose of old roller stock, clean and prep surface for roller install, start tapping and cleaning out roller and guard bolt holes, clean up
1624	950FL	10/14/2024	Set up work area, wrap track and labeled sent to parts. removed roller guards, removed rollers, removed idler put new idler in torque to spec, clean up dirt build up underneath the frame. Clean work area.
1624	950FL	10/14/2024	Repair bucket
1624	950FL	10/15/2024	Modify adapters to fit frog install adapters and begin welding
1624	950FL	10/15/2024	Repair bucket
1624	950FL	10/15/2024	Fitting tooth adaptors to bucket
1624	950FL	10/15/2024	Set up work area, tap and clean out bolt holes on left side frame, strip paint off roller mounts, install rollers, install guards, remove carrier rollers, clean up
1624	950FL	10/15/2024	Install rollers and tapped bolt holes
1624	950FL	10/16/2024	Torqued up left side rollers and carry rollers to the proper torque spec and clean up area
1624	950FL	10/16/2024	Repair bucket
1624	950FL	10/16/2024	Welded top side of new adapters
1624	950FL	10/16/2024	Cutting lip savers for bucket
1624	950FL	10/16/2024	Torqued left track rollers, fitted and torqued left carrier rollers.

1624	950FL	10/17/2024	Positioned new tracks under the left track frame, removed blocks and dropped machine on tracks. Cleared (wire wheeled) right track frame base, cleaned new rollers to remove paint. Fitted and torqued new rollers and carrier rollers.
1624	950FL	10/17/2024	Put tracks under machine on right side frame, Cleaned and prepped surface on right side track frame. Put rollers on right side frame torque to spec put carrier rollers on torque spec.
1624	950FL	10/17/2024	Cut grouser bar and install on top side of adapters and weld for armour flipped bucket and started welding backside of adapters
1624	950FL	10/17/2024	Repair bucket
1624	950FL	10/18/2024	Undercarriage
1624	950FL	10/18/2024	Finished welding backside of adapter and installed and welded lip savers
1624	950FL	10/18/2024	Fitted and torqued right track guides and sprocket .
1624	950FL	10/18/2024	Clean, remove pins, remove bushings
1624	950FL	10/18/2024	Help install lip savers
1624	950FL	10/19/2024	Weld buildup on bores and faces
1624	950FL	10/19/2024	Carried out generic inspection, and carried out service.
1624	950FL	10/19/2024	Do a five hundred hour service inspect the machine over found, drive motor lines we're rubbed into each other to the steel braided lines had to order, right side drive motor hydraulic lines, our leaking from the o. Rings had to order new ones. F m radio antenna this broke off ordered new cable for door latch. Overstretched, I had to order a new one. Fuel pressure sensor wires. On top of fuel filter, housing are broken had to order new one and new gaskets for the fuel lines
1624	950FL	10/19/2024	Inspect and service
1624	950FL	10/19/2024	Cut material for wing guards prep and and install and weld out
1624	950FL	10/20/2024	Undercarriage
1624	950FL	10/20/2024	Bottom panelling put back into place bend back brackets put RH track in place misc repairs clean up work area
1624	950FL	10/20/2024	Repair bucket
1624	950FL	10/20/2024	Installed and torqued left sprocket, placed tracks and wrapped them o the machine and fitted bottom plates.
1624	950FL	10/21/2024	Repair bucket
1624	950FL	10/23/2024	Check over pre heat system it was unhooked hooked up coolant lines system still wasn't working so check power going to the fuel pump was good then check the fuel pump and it was no good had to order new one

1624	950FL	10/23/2024	Diagnosed pre-heat system found the problem and order parts.
1624	950FL	10/23/2024	Repair bucket
1624	950FL	10/26/2024	Install recoil and wrap track rh side
1624	950FL	10/26/2024	Help remove left side final took segments off to put on the new final drive. For the coil spring in on the left side frame clean all services. then put idler torque to spec set the machine down on the tracks.
1624	950FL	10/26/2024	Revome final drive drain oil take to wash bay bring into shop and find parts. Call guy find iut what to do pull jew one outta storage and order kouting oring for travel motor
1624	950FL	10/27/2024	Route the tracks on the right side had everything lined up want to go get the press the press was not in the yard sent to the other site
1624	950FL	10/29/2024	Undercarriage
1624	950FL	10/29/2024	Place and torque final
1624	950FL	10/29/2024	Buildup bore faces
1624	950FL	10/30/2024	Remove final had to find proper orientation of final drive and motor mounting ring install tourqued to 1300 ft lbs, connect Lines, wrap tracks, press fit pin into track right side left side is link to short need to order a extra link
1624	950FL	10/30/2024	Installed left final drive motor found that ring on final drive was clocked wrong Removed left final drive, re clocked ring on final driver, installed final drive motor, installed final drive assembly, torqued final to track frame Pressed pin into right side track Attempted to press pin into left side track but found track is 1 link too short Cleaned up
1624	950FL	10/30/2024	Buildup faces
1624	950FL	10/31/2024	Replaced esbar fuel pump Tested system esbar would not start and only sounds like coolant pump engages Removed output line from new fuel pump and does not pump fuel Tested for power and is getting 24v Needs to be looked into further informed Erick
1624	950FL	11/2/2024	Join link on track then join tracks, tourque pads to 2600 ft lbs grease adjust tension to proper spec
1624	950FL	11/2/2024	Pressed new track link on left side Wrapped track Installed new track pad and torqued to 2600ft/lbs Installed new slack adjusters Adjusted both tracks tension to spec
1624	950FL	11/3/2024	Top hyd oil double check the unit all good for welders to go line bore walk machine to welding shop
1624	950FL	11/3/2024	Adjust cab door latch so door closes
1624	950FL	11/3/2024	Move unit into shop. Block up for line boring. Remove wear plates on stick end.
1624	950FL	11/4/2024	Line bore stick end

1624	950FL	11/4/2024	Removing old faces on stick and prepping for new install
1624	950FL	11/6/2024	Machining stick faces
1624	950FL	11/7/2024	Stick end plates and bucket
1624	950FL	11/7/2024	Indtall
1624	950FL	11/7/2024	Installing seals and pins with bucket
1624	950FL	11/7/2024	Finished machining stick faces
1624	950FL	11/7/2024	Trouble shoot coolant leak then changed a coolant hose.
1624	950FL	11/7/2024	Install bucket to machine
1624	950FL	11/7/2024	Fix coolant, line how to leak going to the preheat
1624	950FL	11/8/2024	Repaired connectors for the coolant and fuel pumps and refilled coolant. Replaced engine compartment access door latch, replaced radio antenna
1624	950FL	11/9/2024	Drained hydraulic oil, removed right guards for track motor hoses, then removed hydraulic hoses from swing motor to both track motors .
1624	950FL	11/9/2024	Removed old drive motor lines and cleaned and prep and replace radio antenna and still waiting for one drive motor line for right side
1624	950FL	11/10/2024	Fitted new hydraulic hoses from swing motor to track motors, blanked supply ports for one unsupplied hose, then refilled hydraulic oil.
1624	950FL	11/10/2024	Undercarriage
1624	950FL	11/11/2024	Build hydraulic tank ran out of hydraulic oil in the lube truck, topped up refilled the hydraulic tank on the machine then installed reseals on bucket
1624	950FL	11/11/2024	Fitted bucket pin grease seals, then lock plates for the pins. Crimped new connectors on fuel pressure sensor harness and fuel water separator bowl.
1624	950FL	11/12/2024	Trouble shooting pre-heating malfunction . Tested fuses on the panel, checked diesel flow, tested amount of power reaching the pump then replaced the 24V pump with the correct 12V. Received missing clips on connectors, then tested for operation.
1624	950FL	11/12/2024	Undercarriage
1624	950FL	11/15/2024	How to go find a clean tote two Drain hydraulic tank hooked up last line waiting for drive.Motors replace other lines with proper o.Rings, looked over machine. Went aint got blocks made for belly pans. Remove broken bolts still broke the bolt. How to straighten belly pans to fit properly
1624	950FL	11/15/2024	Drain hyd tank into clean tote new O rings/lines for drive motor lines look over unit blocks made for belly pan straightening belly pans grease machine

1624	950FL	11/17/2024	When to install belly pans, they have more broken bolts got them extracted, tap the holes How to get welders To got them to make blocks for the belly pans so they can be bolted up in and filled machines, hydraulic tank with vk46 at 8941 hr on machine
1624	950FL	11/17/2024	Straighten pans and side panels went to put them on removal of Brocken bolts
1624	950FL	11/18/2024	Blocks welded belly pans installed run machine coolant topped up change block heater cord
1624	950FL	11/18/2024	How to get blocks welded underneath machine? Pulled stunt pans on extracted broken bolts fire machine up let it warm up ran all functions.It's make sure everything's still working install block heater cord and check kant nudie.Make sure everything's working properly
1624	950FL	11/19/2024	Door latch release cable broke had to replace with new can replace missing screws for The panels inside a cab then put tab all back together
1624	950FL	11/19/2024	Door latch release cable broken take apart interior aswell as broken seat controls parts robbed from 1697
1624	950FL	11/19/2024	Fitted belly pans
1624	950FL	11/19/2024	disasemeble final drive and order parts
1624	950FL	11/20/2024	start final drive assembly
1624	950FL	11/21/2024	cover plate
1624	950FL	11/21/2024	finish finbal drive rebuild
1624	950FL	11/26/2024	Prepping bucket and beginning to line bore
1624	950FL	11/27/2024	Line boring h link bores of bucket
1624	950FL	11/28/2024	Finished line boring h link bores of bucket and faces. Installed all bushings
1624	950FL	11/28/2024	Help press bushings
1624	950FL	1/13/2025	Demob unit
1624	950FL	1/13/2025	Set up work area, check fluids, top up coolant, start unit and let warm up, complete demobe checks, fill out paperwork, swap out expired fire extinguisher, tarp unit, chip out track frames for travel, clean up
1624	950FL	1/15/2025	Mob in
1624	950FL	1/15/2025	Check out power wire find bolts rubbing on wires. Sort out replace fuse, roll up tarps
1624	950FL	1/15/2025	Mob in
1624	950FL	1/17/2025	Drive to unit. Find leak and ordered parts. Bucket cylinder line leaking
1624	950FL	1/18/2025	Remove hose, use heater to warm new hose, install, check over / test for leaks, top up hydraulic oil

1624	950FL	1/24/2025	Check over unit at start of day
1624	950FL	1/25/2025	Removed and replaced bucket cylinder. Got fuel and lube to grease unit. Brought leaking cylinder to yard. Prepared for transport and labelled.
1624	950FL	1/25/2025	Take bucket cylinder from 1605 and put onto this unit. Bad one sent for repair. Unit up
1624	950FL	1/25/2025	Found bucket cylinder leaking.
1624	950FL	1/27/2025	Check over at start of shift. Tighten loose panel bolts
1624	950FL	1/28/2025	Blow peat out from behind hydraulic tank. Found small crack lh side of bucket. Will cross to days
1624	950FL	1/28/2025	Dropped belly pans and pulled steps heading to engine bay, plugged with muskag
1624	950FL	2/1/2025	Bucket tooth
1624	950FL	2/6/2025	Sampled engine and both finals. Changed air filters and topped up coolant. Left final oil looks to have water in it
1624	950FL	2/7/2025	Checked unit over
1624	950FL	2/9/2025	Checked unit over
1624	950FL	2/11/2025	Inspected at shift change.
1624	950FL	2/15/2025	Gouge out and weld up cracks in cheek
1624	950FL	2/17/2025	Start and warm up Unit. Hook up computer and found regen code. Reset filter and counter as unit is deleted tested and ran good. Send back to work
1624	950FL	2/18/2025	Complete
1624	950FL	2/18/2025	Check at start of shift
1624	950FL	2/18/2025	Draining and filling up final drive oils, Changing pump drive oil , Changing air filters, Changing cab filters inner and outer, Changing hydraulic filters, taking oil samples, Changing diesel filters and engine oil filters Inspection of machine
1624	950FL	2/19/2025	Locate tooth. Replace
1624	950FL	2/19/2025	Troubleshoot and repair leak
1624	950FL	2/19/2025	Look into rough idle and poor top end performance. Unit can't breathe. Check cans and scr not punched out. Let run for now removed scr from 1605 that's down anyways to get cut open and punched properly to install
1624	950FL	2/23/2025	Swap punched out exhaust into so it can breathe. Much more power now
1624	950FL	2/24/2025	Checked unit over
1624	950FL	2/25/2025	Unit lost a tooth found new tooth and installed it on the unit
1624	950FL	2/25/2025	Checked unit over
1624	950FL	2/25/2025	Cut open cat, broke out honeycomb, welded shut

1624	950FL	2/25/2025	Unit kept losing teeth and retainers put 2 teeth on unit and rigged up bigger keeper to try to keep the teeth on, shank is worn
1624	950FL	2/26/2025	Find tooth and keeper for unit and install
1624	950FL	2/26/2025	Checked unit over
1624	950FL	2/27/2025	Installed the tooth that fell off with a new keeper
1624	950FL	2/27/2025	Checked unit over
1624	950FL	2/28/2025	Checked unit over
1624	950FL	2/28/2025	Cleaned and installed tooth. Replaced missing tooth retainer
1624	950FL	2/28/2025	Replaced keeper for tooth.
1624	950FL	3/1/2025	replace tooth
1624	950FL	3/1/2025	Replace tooth
1624	950FL	3/1/2025	Checked unit over
1624	950FL	3/2/2025	Checked unit over
1624	950FL	3/2/2025	Drove to unit and replaced tooth
1624	950FL	3/3/2025	Checked unit over
1624	950FL	3/4/2025	Installed missing tooth and keeper.
1624	950FL	3/4/2025	Replaced tooth
1624	950FL	3/5/2025	Changed hose going from valve bank to boom. Got hydraulic oil topped up. Ran and leak tested. Called unit up.
1624	950FL	3/5/2025	Hydraulic line leak
1624	950FL	3/5/2025	Installed hose and ran/checked for leaks.
1624	950FL	3/7/2025	250hr service with final and pump drive oil change
1624	950FL	3/7/2025	Finals and pump drive oils changed. Air filters changed. Engine, finals and pump drive sampled. Problem with right final plugs new ones on order
1624	950FL	3/10/2025	Find tooth and replace.
1624	950FL	3/10/2025	Find and replaced tooth
1624	950FL	3/11/2025	Installed new tooth and keeper, had to run to yard and grab a tooth
1624	950FL	3/12/2025	Checked unit over
1624	950FL	3/13/2025	Checked unit over and installed missing tooth
1624	950FL	3/13/2025	Diagnose coolant leak on unit. Have unit filled with coolant and locate leak. Appears to be leaking from behind the clamp on the egr cooler. Cooler possibly cracked.
1624	950FL	3/13/2025	Diagnose coolant leak. Egr failure

1624	950FL	3/13/2025	Travel to the unit removed the stump pan that was wet could not see coolant leak no coolant in unit called for coolant to test for a leak
1624	950FL	3/14/2025	Travel to unit and found the engine cooling fan came off the fan hub looked up parts to make repairs
1624	950FL	3/14/2025	Replaced blown o-rings
1624	950FL	3/18/2025	Inspect unit to get ready to move. Found boost pipe off of unit, cannot run. Install acm in unit.
1624	950FL	3/28/2025	Drove to unit, assisted with fan hub repairs
1624	950FL	3/28/2025	Removed fan hub, cleaned and prepped for reassembly.
1624	950FL	3/29/2025	Installed fan hub, installed parts that were robbed, boosted, got running checked over and installed panelling
1624	950FL	3/29/2025	Drove to unit, replaced fan hub, installed all panels, boosted and started unit, checked over.
1624	950FL	3/30/2025	Hook up battery charger and boost unit.
1624	950FL	4/2/2025	Steaming
1624	950FL	4/3/2025	1000 hr service completed
1624	950FL	4/3/2025	Oil change completed 1000 hour service done
1624	950FL	4/4/2025	2000 pm
1624	950FL	4/11/2025	finished one side
1624	950FL	4/21/2025	Demob unit
1624	950FL	4/21/2025	Complete wash
1624	950FL	5/11/2025	Boost unit so Ncsg can haul machine out
1624	950FL	5/12/2025	Started mob inspection and found engine running very rough, checked last fuel filter service(6hours prior), hooked up and checked fuel pressure (60psi), engine oil pressure (60psi), performed cylinder cut-out test and found no change on any cylinder, performed cylinder compression test and failed. Talked to supervisor and higher ups, was requested to pull injectors. Removed valve cover, valve mechanism and covered all parts from dust and contaminants.

1624	950FL	5/12/2025	Diagnose rough running engine. Hook up diagnostic computer with Vocom II and Tech Tool. Perform injector cut out test and found none of the injectors being cut out caused any deviation in engine RPM or load. Performed electronic cylinder compression test and found 5 of 6 cylinders failed compression test. Provided results to supervisor. Found engine coolant resevoir overfull. Drained down and ran engine for 10 minutes, found coolant level rise by 3/4".
1624	950FL	5/13/2025	Removed all injectors as per request, inspected cups and found #6 seat not even and ovalled. Checked turbo and water pump and we're good.
1624	950FL	5/13/2025	Assisted mechanic with various repairs to engine
1624	950FL	5/14/2025	Organize access to site. Research replacement of injector cups.
1624	950FL	5/15/2025	D&A test for site access
1624	950FL	5/16/2025	Gather parts and search/track down parts
1624	950FL	5/16/2025	Inspect each cylinder piston head and wall with camera. All look good and still cross hatching on cylinder walls.
1624	950FL	5/17/2025	Assist with replacement of boom cylinder
1624	950FL	5/17/2025	Replaced main boom hose
1624	950FL	5/17/2025	Remove and replace Leaking hydraulic hose for RH boom cylinder
1624	950FL	5/17/2025	Replace hydraulic line
1624	950FL	5/21/2025	Layout parts and tooling. Work through instructions. Pull, clean and replace injector cups starting from rad side of engine. #4 from rad end of engine injector sleeve tip broke off in head. Try to pull out. Thread and try pulling with bolt. Keeps pulling threads. JB weld bolt into sleeve overnight. Clean up work area, parts and tooling.
1624	950FL	5/22/2025	Drive to poplar for computer to set injectors
1624	950FL	5/22/2025	Start PM service do as much as could be done with machine down, as engine was being repaired.
1624	950FL	5/22/2025	Try extracting JB welded bolt in injector sleeve tip. Try welding broken tip to sleeve. Could not pull through. Check piston height. Pull off intake manifold. Push broken sleeve into cylinder. Fab bar to hold intake valve open. Use camera and wire to fish out broken piece and pull though intake. Clean and reassemble intake manifold. Clean and install remaining injector sleeves as per volvo procedure. Install new fuel injectors. Torque turn new holddown bolt. Clean up area. Cover up engine and gather up tooling.

1624	950FL	5/23/2025	Lift and install rocker arm shaft assembly. Reuse hardware as per Volvo. Torque turn in sequence. Check valve set. Set valves to 0.30mm and 0.60mm +/-0.05mm. Set injector preload to 240 degrees. #2 injector was 120 degrees tight. Most valves within 0.05-0.10mm less than spec. Torque all jam nuts and exhaust bridges. Replace valve cover gasket. Clean and install. Fill coolant. Check levels. Boost unit to start. Let run for 15 minutes. Engine idles smooth. Rev up and sounds normal. Pack up tools. Fill out valve set sheet. Clean up tooling. Put unused parts and tooling in CNRL office.
1624	950FL	5/24/2025	Run Cylinder balancing on unit injectors balanced perfectly, install engine cross braces, clean out barrel to drain coolant out to flush system.
1624	950FL	5/24/2025	Steam coolant reservoir.
1624	950FL	5/25/2025	Change oil
1624	950FL	5/25/2025	Finish Pm inspection, start troubleshooting A/C not working, straighten out steps,
1624	950FL	5/25/2025	Changed oil
1624	950FL	5/25/2025	Fill up coolant system with water and ship shape. Run up to running temperature and drain fluid. Then fill up system with coolant.
1624	950FL	5/25/2025	Flush Coolant system and re fill with coolant.
1624	950FL	5/26/2025	Troubleshoot A/C issue, test pressure found out pressure was good and compressor was cycling, pull pans and look for water valve shut offs none on unit, pinch off heater lines A/c got cool in cab, order in line shut offs as per choice for repair.
1624	950FL	5/28/2025	Hook up tech tool and vocom 2. Program Injector trim files and run cylinder re-balancing test and reset cylinder imbalance.
1624	950FL	5/30/2025	Full machine inspection including fluid levels Add coolant Fill both finals. Right side final ream out cooper crush washer and install to final drive fill port Tighten both tracks Grease entire machine.
1624	950FL	5/30/2025	Reinstall all lower underguards for engine and pumps. Verify fluid levels and top up low levels. Perform Final inspection of unit before releasing to operations.
1624	950FL	5/30/2025	Position machine and remove belly pans. Lots of buildup of dirt/muskeg. Remove and clean. Go to install taps but they aren't very good. Leaking coolant. Install barb fitting for now and order parts.
1624	950FL	6/2/2025	Meet up with CNRL contact for joint rental inspection. Walk machine to a safe area out of active rejects loading zone. Complete joint rental inspection with CNRL mechanics. Move machine back to rejects loading zone afterwards and take photos of CNRL machine bucket cylinder guard for maintenance department

1624	950FL	6/10/2025	Load cutting edge. Drove out to unit. Ground lifting eyes and flatten teeth, started welding straight cutting edge onto teeth.
1624	950FL	6/11/2025	Finished welding straight edge to teeth.
1624	950FL	6/19/2025	Take guarding out of boxes and load into truck. Travel to rejects area and set up around machine. Inspect machine and notice problem right away. Bucket cylinder to H link pin will not be long enough to accommodate guarding brackets. Phone Nors strongco and figure out issue. Bucket cylinder guard requires longer pin from demo spec 950. Measure up for pin to be made and return to laydown.
1624	950FL	6/20/2025	Load up parts and travel to unit. Disassemble cab to get to HVAC box. Disassemble HVAC box. Remove old doors and motors, linkages/cams and install new. Reassemble HVAC box and reassemble cab. Test, heater and A/C control now works. Notice seat bottom plastic is broken, look up and order parts.
1624	950FL	6/27/2025	Cut material for pin and collars h link to cylinder
1624	950FL	6/28/2025	Machine pin
1624	950FL	6/28/2025	Helped machinist set up
1624	950FL	6/28/2025	Grease, inspect
1624	950FL	6/29/2025	Fab pin and collars
1624	950FL	6/30/2025	Drilled holes in new pin
1624	950FL	6/30/2025	Machining pin
1624	950FL	6/30/2025	Fab pin and collars for bucket cylinder to h link
1624	950FL	7/1/2025	Fit collars to pin and bushing. Cleaned up
1624	950FL	7/1/2025	Drilling holes for the new pin
1624	950FL	7/3/2025	Test fitting guard mounting on 1648 in the yard.
1624	950FL	7/3/2025	Test fit newly made pin by installing on unit in the laydown and started to fabricate/weld pin ear and tab for pin to stay stationary. Test fit guard, pin and collars.
1624	950FL	7/4/2025	Found material for new cuff. Laid out and cut cuff for machining
1624	950FL	7/4/2025	Finished welding and fitting new pin and guard on unit in the yard. Loaded parts back onto pallet.
1624	950FL	7/4/2025	Assist to remove the test fit guard mount off 1648.
1624	950FL	7/4/2025	Fab spacer for bucket cylinder gaurd
1624	950FL	7/6/2025	Assited mechanics
1624	950FL	7/6/2025	Install gaurd
1624	950FL	7/6/2025	Ran the loader

1624	950FL	7/6/2025	Helped Instal guarding
1624	950FL	7/6/2025	Installed gaurd at rejects. Road John Deere loader to rejects. Set up work area and clean up work area after job and put parts away back at yard.
1624	950FL	7/13/2025	Serviced machine