

Unit	Model	Date	Work Order Details
1592	470GLC	6/6/2023	Goto old laydown, get stuck at moose, get towed out. Load QA into my truck, drive it to new laydown. Setup area find parts. End of day/ cleanup.
1592	470GLC	6/13/2023	Check over
1592	470GLC	6/16/2023	Install new quick attach and pins look for part numbers move machine out of mud move all parts crane everything in place
1592	470GLC	6/18/2023	Finish installing QA
1592	470GLC	6/20/2023	Inspect unit, repair seat, get bud oil topped up, order hood stand
1592	470GLC	6/21/2023	Install hood parts
1592	470GLC	6/21/2023	Set up work area put bucket on, checked unit over found broken hood locking bar, put in parts order in
1592	470GLC	6/22/2023	Operator complaint that seat is not airing up, drive out to machine, inspected seat, repaired seat air compressor wiring, called machine up
1592	470GLC	7/2/2023	Grab part and drive out to n1 gully roads are a mess due to rain, remove old joystick and install new one, remove lock and drive back to HCL.
1592	470GLC	7/3/2023	Go to unit find compressor has play and belt missing order belt, tensioner, and compressor
1592	470GLC	7/5/2023	Replace a/c components and charge to spec
1592	470GLC	8/1/2023	Diagnose leak. Found fittings in rotary manifold jam nuts loose. Tighten fittings and test.
1592	470GLC	8/3/2023	Diagnose engine oil pressure issues. Master gauge oil pressure. Found sensor and gauge reading same. Run unit up to temp and monitor pressures. Found pressure dropping off from 70 psi hot wot to 45 psi. Ran unit at various rpm and monitor. At 1350 rpm hot oil pressure was at approx 40 psi and then jumped to 65-70psi. Suspect pressure relief in pump acting up. Engine oil level is over full. Lubers to drain down to correct level.
1592	470GLC	8/4/2023	Continue engine oil pressure issue diagnostic
1592	470GLC	8/5/2023	Change oil filter, drain down oil level and test. Found oil pressure still fluctuating. Ordered parts
1592	470GLC	8/9/2023	Drain engine oil, remove inspection covers and drop oil pan. Not enough room to completely remove oil pan. Put pan back up and install lines. Inform foreman on findings
1592	470GLC	8/13/2023	Drive to unit was asked to move it out of way for operations pick up panels and parts laying around, start up and move out of way shut down and re install lock.
1592	470GLC	8/28/2023	Check backup alarm operation. Alarm is non functional. Found alarm has failed. Ordered parts

1592	470GLC	8/29/2023	Replaced wiper blade. Looked for travel alarm. Removed panels. Checked another 470 in yard it also does not work or alarm is missing. Could not locate wiring or brackets. Put panels back.
1592	470GLC	9/16/2023	Installed window breaker/seatbelt cutter. Complete.
1592	470GLC	10/8/2023	Block up quick attach to keep dirt out of bushings on stick nose
1592	470GLC	10/23/2023	Locate bucket install. No quick coupler bolts. Look for some. Ones we had are too small. Need bigger bolts. Notified supervisor of what is needed.
1592	470GLC	10/24/2023	Install wedge bolts. Compressor was acting up. Got tight as I could with compressor acting up and striking wedge with sledge.
1592	470GLC	10/25/2023	Weld corks on
1592	470GLC	11/14/2023	Check over unit before float truck takes to work. Installed missing hood latch. Replace accessory drive belt
1592	470GLC	11/22/2023	Travel and search for unit, finally find it and seat airs up fine just slow because it is an electric pump.
1592	470GLC	12/3/2023	Inspect unit, check levels, seems fine unit was still cold only really pushes some more smoke under load (probably watery fuel).
1592	470GLC	12/5/2023	Diagnose check engine light on an derate. Unit needs an inlet nox sensor. Check over machine and found RH sprocket has 80% of the bolts sheared off. Lock out.
1592	470GLC	12/5/2023	Active code for Nox inlet. Perform Nox sensor test and inlet sensor is erratic. Also found Rh segment with multiple sheared bolts.
1592	470GLC	12/6/2023	Get unit down to lowbed. Bring to yard
1592	470GLC	12/7/2023	Move unit to work area. Loosen tracks and split rails. Rh sprocket slipped off with bolts removed. Damaged face and hub of final drive. Remove covers and clean out frozen dirt. Start to remove travel motor. Order parts and components.
1592	470GLC	12/8/2023	Welded broken handrail
1592	470GLC	12/9/2023	Set up safe work area. Removed final drive. It was seized to track frame. Cleaned up mounting surfaces. Grabbed parts. Cleaned up new final. Installed final drive. Torqued bolts to 550 FTLBS. Installed travel motor. Installed sprocket and torqued bolts to 550 FTLBS. Cleaned up work area. Order more hardware for left sprocket.
1592	470GLC	12/9/2023	Inspected handrails
1592	470GLC	12/9/2023	Set up and cleaned area
1592	470GLC	12/9/2023	Help remove seized in planetary
1592	470GLC	12/10/2023	Worked on hub. Removed 2 bolts. Built cover plate for shipping

1592	470GLC	12/10/2023	Replaced inlet nox Sensor. It was seized in had to heat and work it out slowly.
1592	470GLC	12/10/2023	Replaced rh sprocket. Torqued bolts to 550 FTLBS
1592	470GLC	12/11/2023	Pin tracks
1592	470GLC	12/11/2023	Warped tracks. Bent drive motor cover straight. Installed panels. Tracks need to be tensioned.
1592	470GLC	12/12/2023	Track would not take grease. Found that track had been wedged on track frame. Broke one pad and bent a couple more. Freed track and greased up.
1592	470GLC	12/12/2023	Get track back on tension
1592	470GLC	12/12/2023	Warped tracks. Bent drive motor cover straight. Installed panels. Tracks need to be tensioned.
1592	470GLC	12/13/2023	Diag def issues
1592	470GLC	12/14/2023	Install injector perform burn
1592	470GLC	12/18/2023	Pick filters and drive to camp pad. Go to unit and wait for ops to finish with it. Check engine as there was recently a bad oil sample. Remove oil filter and cut open, nothing concerning. Inspecting intake piping, all good.
1592	470GLC	12/18/2023	Go to unit. Check intake system and remove/cut engine oil filter. Filter is very clean. Bring sample to supervisor. Had to wait for culvert to be installed.
1592	470GLC	12/20/2023	tear down, clean parts, surface gears and pins, order parts,
1592	470GLC	12/21/2023	clean hub and spindle, chase bolt holes, clean duo surfaces
1592	470GLC	12/24/2023	Shim bucket and swap to digging bucket. Pin different diameter than parts book. Shims on hand too small. Swap bucket. Look for right size shims.
1592	470GLC	12/29/2023	clean and assemble
1592	470GLC	12/29/2023	Remove and replace bucket with clean up bucket.
1592	470GLC	1/6/2024	Clean up Remove broken ear Replace broken ear and weld Remove bushings
1592	470GLC	1/7/2024	Weld quick attach bores
1592	470GLC	1/8/2024	Finish welding bores Set up dual line bore bars to insure parallel Set up line bore machine Begin machining bores
1592	470GLC	1/9/2024	Unload bucket and clean
1592	470GLC	1/9/2024	Line bore quick attach
1592	470GLC	1/10/2024	Operator complaint that unit would swing intermittently. Run up to temp and test. Swing can be delayed, as well as swing brake not slowing down machine allowing it to swing freely. Suspect swing motor failing, needs more troubleshooting
1592	470GLC	1/10/2024	Clean bucket Inspect. Gouge and weld

1592	470GLC	1/10/2024	Finish machining bores Press bushings Dis assemble line boring equipment and clean up
1592	470GLC	1/11/2024	Heat boost and inspect swing issues repair send to work
1592	470GLC	1/11/2024	Gouged on bucket
1592	470GLC	1/18/2024	Weld frog to floor seam, add on chocky blocks on frog and wing gaurd, cut plate for armour package
1592	470GLC	1/18/2024	Heat and boost to start
1592	470GLC	1/19/2024	Finish welding top side of armour package, flip bucket and gouge out all cracks on bottom side and grind clean
1592	470GLC	1/20/2024	Weld cracks on bottom side of bucket
1592	470GLC	1/20/2024	Drove to unit. Had 8 codes for def issue/ derate. Broke clip trying to take off def pump. Found def all inside and corrosion. Looked at lines and all were plugged as well. Ordered parts
1592	470GLC	1/21/2024	Finish welding bucket cracks and armour
1592	470GLC	1/23/2024	Drive to machine set up safe work area. Removed old def pump plug. Built new plug. Removed panels. Removed def line from def tank to def injector. Installed new line fasend line. Installed def pump. Missing gasket for def injector. Cleaned up work area
1592	470GLC	1/26/2024	Replaced def injector. Ran machine cleared codes. Machine ran for a hour and a half then piped up new codes. Had computer trouble. Put lock on and passed over
1592	470GLC	1/31/2024	Go to unit repair emissions issue burn unit
1592	470GLC	2/26/2024	Heat and boost to start
1592	470GLC	2/27/2024	Pull panels from machine, found suction line on bottom of tank has loose hose clamp, tightened them up, good to go. Got coolant topped up, believe tank may be leaking, going to let run and observe it.
1592	470GLC	2/28/2024	Wire down hood and order new hood latches
1592	470GLC	2/29/2024	Has bad engine oil sample, found boost leak and repaired, also found some loose intake clamps and tightened them, tested and boost leak.
1592	470GLC	3/2/2024	Replace hood latches and put pins and washers on hood stand
1592	470GLC	3/6/2024	RHS joystick snapped off. Tape up order parts
1592	470GLC	3/7/2024	Fit up window gaurd and weld top side
1592	470GLC	3/7/2024	Locate and verify a compatible 470 that we could install a window cage on. Fire up another 450 size machine to give to ops. Locate spare 470 ripper, install new GET. Crane on window cage and begin install, still a bit of welding to do. End of day cleanup and drive back.

1592	470GLC	3/8/2024	Finish welding window guard
1592	470GLC	3/8/2024	Find correct ripper install on unit
1592	470GLC	3/9/2024	Replace ripper tooth pin and keeper
1592	470GLC	3/9/2024	Drive to unit. Engine light on for low oil pressure display reads 325kpa while walking unit. Will order new sensor.
1592	470GLC	3/9/2024	Replaced tooth
1592	470GLC	3/9/2024	Check operation and found code for low oil pressure check oil pressure and is good at 325 kpa found sensor inop order parts
1592	470GLC	3/12/2024	Go up to crack stopper and change out ripper tooth.
1592	470GLC	3/13/2024	Go to unit for "low oil pressure" No codes or events logged. Monitor shows 370 kpa and matches gauge at filter housing. Remove panels and check wiring to sensor, looks good. 4.9v to sensor. Remove filter and cut, very fine metal in filter and in bottom of canister. Eng hours = 9645. Sample oil Give filter to supervisors.
1592	470GLC	3/24/2024	Pull engine load onto stand and load up in Brandt guys truck
1592	470GLC	4/10/2024	Install hyd bypass valve.
1592	470GLC	5/13/2024	Prep for car body crack repair
1592	470GLC	5/14/2024	Install reprogrammed ECU.
1592	470GLC	5/14/2024	Drop stump pan, cover for circle gear had fallen out so inside of car body was full of grease, oil and dirt, start cleaning out the inside of the car body. Multiple cracks found inside car body
1592	470GLC	5/15/2024	Finish cleaning out inside of car body, dispose of contaminated soil, rags and oil, chip track frame to access bolts on travel line guards, assist Conrad in capping off and pulling travel lines back, gouge out all cracks from the one side, clean up, start welding cracks
1592	470GLC	5/15/2024	Remove travel motor hoses from center swivel, remove gaurds, pull hoses out.
1592	470GLC	5/16/2024	Continued with crack repair
1592	470GLC	5/17/2024	Pick new carriers, pick new bolts and washers. Clean mud out around carriers, and mounting bolts. Start to remove rollers. End of day clean up.
1592	470GLC	5/17/2024	Cut apart can, weld back together, plug and weld holes/ bungs
1592	470GLC	5/17/2024	Talk to supervisor about what is needed to be done. Disconnect sensors, remove scr, remove dpf. Punch out dpf, and doc element. Gave scr to greg to cut top off to get to element but did not work, re welded back up. Got holes welded up on dpf, and scr. Clean out dosing pipe as it was plugged with old def/soot. Got dosing hole welded closed as well.

1592	470GLC	5/18/2024	Punch out scr element. Re install dpf, and scr to bracket assy. Remove all sensors on side of bracket. Install blanks on egr cooler.
1592	470GLC	5/18/2024	Remove 3 and replace 2 carrier rollers, got pulled off few times. Torque bolts to 300 ft-lb. Remove more mud.
1592	470GLC	5/18/2024	Crane engine into machine with Brandt
1592	470GLC	5/19/2024	Remove rollers and install 4 new ones. Torque to 300 ft/lbs.
1592	470GLC	5/21/2024	Repair hydraulic leaks on tank lines.
1592	470GLC	5/21/2024	Continued on with crack repairs, swung machine to clean grease from inspection hole, cleaned out grease and prepped for crack repair
1592	470GLC	5/21/2024	Replace coolant temp sensor and was ordered.
1592	470GLC	5/22/2024	Clean up fitting, route travel hoses through carbody, start installing hose, clean up work area and truck for end of day.
1592	470GLC	5/22/2024	Install new alternator, install alternator belt, install new a/c belt and tensioner. Adjust a/c belt tension.
1592	470GLC	5/22/2024	Complete remaining crack repairs in carbody, clean up work area, take used oil, diapers and rags to appropriate disposal bins, take blocking back to stand line up, assist mechanic to pull hydraulic lines back through car body
1592	470GLC	5/23/2024	Assist mechanic to attach hydraulics for finals, drill new holes for inspection plate, reinstall hose guards and stump pan
1592	470GLC	5/23/2024	Install bottom guards around engine are, install covers over main control valve area, walk around unit and clean all old parts and bolts up.
1592	470GLC	5/23/2024	Install center joint hoses, check unit fluids and run unit, cycle travel functions and test for leaks. Install bottom center belly pan, repair broken bolts in travel hose guards, install travel hose guards, clean up area
1592	470GLC	5/23/2024	Lifted LH track off ground, tensioned tracks, cycled track, re adjusted tension.
1592	470GLC	5/24/2024	Ran unit to temp, cycles functions, t/s radiator fan constantly on, found coolant temperature sensor was not reading. T/s coolant issue, sensor is good, and wiring is good. Found when units may switch was in acc it was able to read coolant temp but once running couldn't see it. Told supervisor and Brandt was called for ecm testing.
1592	470GLC	5/24/2024	Pull engine ecm for re flash.
1592	470GLC	5/25/2024	Install broken drives mirror.
1592	470GLC	5/31/2024	Install remapped ecu and run to temp. No faults. Install stump pans.
1592	470GLC	6/4/2024	Chip tracks of dirt and start cutting corks, ran out of gas get new bottles

1592	470GLC	6/5/2024	Finish cutting corks
1592	470GLC	6/7/2024	Found new digging bucket to put in. Needs teeth
1592	470GLC	6/11/2024	Move around attachments in the yard to get our dig bucket. Bring over and install on machine. Bucket has no teeth and we have none in stock. There is only one bolt holding the wedge in and it's only holding by a couple threads. Lock out machine and order teeth, retainers, pins, and longer bolts.
1592	470GLC	6/15/2024	Morning meeting. Clean off shanks, install teeth.
1592	470GLC	6/30/2024	Repair A/C. Get seat belt unstuck but it keeps getting tangled. Order new.
1592	470GLC	7/2/2024	Replace seat belt.
1592	470GLC	7/10/2024	Make parts list.
1592	470GLC	7/12/2024	Replaced attenuation hose o rings. Replaced o rings on pump fittings as well. Replaced case drain fitting and hose o rings. Replaced fire extinguisher. Topped up coolant. Replaced right hand joy stick cover and missing hardware. Tested for leak no leaks at time of inspection. Install skid plate.
1592	470GLC	7/13/2024	Tighten bucket wedge.
1592	470GLC	7/15/2024	Drive to unit. Codes 111-01 and 111-18 coolant level low. Verify and top up 1 gallon low. Found small leak from def header hose clamp. Tightened all clamps in box and pressure tested. No leak at time of inspection. Clear codes and run unit.
1592	470GLC	7/21/2024	250 hours service
1592	470GLC	7/22/2024	Try to install new dipstick. Have to remove tube. Remove panels to access. Straighten and clean tube. Remount. Check oil level. Service guys topped up level. Install panels. Repair coolant leak at heater tap.
1592	470GLC	8/30/2024	Changed all the filters,get oil sample
1592	470GLC	8/30/2024	Driving Change all the filters and get all the sample
1592	470GLC	8/30/2024	4000hr service ned job
1592	470GLC	9/4/2024	4000hr service drained all the oils
1592	470GLC	9/4/2024	Change both finals,engine oil,hydraulic oil,swing drive oil
1592	470GLC	9/4/2024	Start pm on unit.
1592	470GLC	9/5/2024	Continue one with pm
1592	470GLC	9/6/2024	Continue with pm
1592	470GLC	9/15/2024	Complaint of belly panels loose and missing hardware, droww out to machine at Ned, secured panels with new hardware, tensioned tracks

1592	470GLC	9/16/2024	Morning meeting, complaint that AC doesn't work and machine has leaks, drove out to unit, set up job, check over machine, found engine oil dip stick tube is cracked and leaking, fitting on rotator for travel hoses is leaking, 3 hoses at and by rotator are baked and seeping oil, checked over ac system, added dye, charged with 2.2 lbs of refrigerant, ran unit and checked over found condenser is cracked at fins and leaking, truck inspection by safety, looked up and ordered parts drove back to the yard
1592	470GLC	9/17/2024	Complaint that left side track is too tight and binding up, drove out to machine, waited for unit to walk over, loosened off left side track, track is still binding, found idler bearing is worn out causing binding, ordered parts
1592	470GLC	9/18/2024	New idler is in for unit, load idler into truck, drive out to machine, set up job, split track, remove idler, remove tensioner bracket, install bracket on new idler, clean out idler track, install new idler, wrap and tension track with brock, drive back to yard dispose of old components
1592	470GLC	9/18/2024	Wrap track. Tension track
1592	470GLC	9/21/2024	Parts are in for machine, unit is not accessible, drove out to machine in pick up, walked unit out to accessible ground, went back to yard for service truck, broke down, towed back to yard
1592	470GLC	9/21/2024	Walk machine from ned to accessible area for service truck. Install misc parts
1592	470GLC	9/23/2024	Install new belt. Replace condenser. Charge system
1592	470GLC	9/23/2024	Gathered parts drove out to machine, went back to the yard for missing parts, feeling sick, cancelled job, went back to camp
1592	470GLC	9/24/2024	Hyd call out for mechanic at n.e.d
1592	470GLC	9/24/2024	Parts in stock, morning meeting, loaded into pick up, drove out to machine, set up job, removed covers and panels in the way of main hydraulic control valve, bled pressure off system, removed hose clamps, removed hoses, routed new hoses into position, installed clamps, installed hoses with new o-rings, installed covers, ran up machine, had hydraulic oil topped off, drove back to yard
1592	470GLC	9/26/2024	Drive to unit, remove bucket, remove broken stick nose pin retainer, make new retainer pin out of a bolt, install, install bucket.
1592	470GLC	9/26/2024	Replaced keeper pin for stick nose pin and reinstalled bucket
1592	470GLC	10/18/2024	Get machine fired up move to welding area clean track pads and start corking
1592	470GLC	10/19/2024	Finish corking unit, notify supervisor of cracked pads
1592	470GLC	10/28/2024	4000hr inspection. Tighten tracks. Order parts

1592	470GLC	10/31/2024	Perform valve set. All valves imexcept #6 exhaust loose, must have used wrong feeler blades when engine was out together. Had to remove front balancer pulley to turn engine over
1592	470GLC	11/2/2024	Replace roller
1592	470GLC	11/2/2024	Install slide handle
1592	470GLC	11/2/2024	Remove broken track pad. New pad is wrong width. New hardware left in cab for when proper pad arrives
1592	470GLC	11/3/2024	Install track pad off of 1429
1592	470GLC	11/3/2024	Install more bucket shims
1592	470GLC	11/14/2024	Reinstall track and adjust
1592	470GLC	11/14/2024	Drive to unit, release track tension, reinstall track on sprocket, tension tracks, rotate tracks , tension tracks to 15"
1592	470GLC	11/21/2024	250 hours service
1592	470GLC	11/21/2024	Cross dyke 250hr service both finals oil changed
1592	470GLC	1/3/2025	Get running
1592	470GLC	1/3/2025	Get track back on carrier rollers and adjust tention to Thompson handbook specs
1592	470GLC	1/4/2025	Added 30 liters of hyd oil
1592	470GLC	1/4/2025	Tightened right track
1592	470GLC	1/4/2025	Tightened up left track
1592	470GLC	1/4/2025	Added 30 litres of hydraulic oil
1592	470GLC	1/8/2025	Split tracks and disassble
1592	470GLC	1/8/2025	Try and remove rh recoil assembly, Stuck in tube. Remove piston assembly while in unit. Clean up and inspect for failure. End of day
1592	470GLC	1/9/2025	Reseal left track adjuster install track and adjust track tension
1592	470GLC	1/10/2025	Split track and remove recoil assembly Found broken spring and grease leaking through the pin
1592	470GLC	1/11/2025	Install new tensioner. Wrap track. Tension track
1592	470GLC	1/14/2025	Flip edge
1592	470GLC	1/15/2025	Drive to unit. Change out track valve. Re tension track. Unit good to go.
1592	470GLC	1/17/2025	T/shoot noise. No active codes. Check over charged air system for air leaks. Found failed boot off 2nd turbo. Parts ordered.
1592	470GLC	1/22/2025	Replace air-air boot. Run test. Unit is up.

1592	470GLC	1/29/2025	Drive to x dyke. Find unit have to walk to unit where it went down. Check air filters and visual inspection. Found charge air hose blew off. Installed clamp from service truck stock and test. Walk unit to fuel friendly area.
1592	470GLC	2/1/2025	Pick kit. Drive to unit. Set up unit and area. Complete 500hr service. Warm up breaks. Test run unit and adjust levels. Call unit up.
1592	470GLC	2/1/2025	Get to unit. Help finish 500 hour service. Test unit. Call unit up. Clean up work area. Drive back to yard.
1592	470GLC	2/1/2025	Heat and boost unit
1592	470GLC	2/2/2025	Swap bucket to ripper shank
1592	470GLC	2/4/2025	Swap bucket for ripper Replace ripper tooth
1592	470GLC	2/8/2025	Travelled to machine, measured up cylinder hose brackets, had non in stock. Made parts order.
1592	470GLC	2/10/2025	Heat & start
1592	470GLC	2/10/2025	Filled left swing drive
1592	470GLC	2/14/2025	Replace boost line from turbo to inter cooler pipe
1592	470GLC	2/16/2025	Set upnheat and tarp in track frames to melt ice from unit being in water
1592	470GLC	2/17/2025	Pack up heater. Fold up tarps
1592	470GLC	2/21/2025	Pick kit. Drive to unit. Set up work area. Allow unit to warm up. Complete 250 hour service. Test unit. Call unit up. Clean up work area. Drive back to yard. Throw out garbage.
1592	470GLC	2/21/2025	Track pad has been replaced. This can be closed.
1592	470GLC	2/21/2025	No leak visible under the engine. Checked over no leaks. This can be closed.
1592	470GLC	2/21/2025	Pick kit. Drive to unit. Set up area. Line up finals. Complete service to unit. Test run. Call unit up. Pack up area. Drive back to yard.
1592	470GLC	2/21/2025	Checked window. It does not pinch. Window is good. Can close this issue.
1592	470GLC	2/21/2025	Track has been tensioned to spec. This can be closed.
1592	470GLC	2/25/2025	Remove seat from unity, take seat from 1429 and install into 1592
1592	470GLC	2/26/2025	Boost leak clamp not tight on boost hose off turbo re install boost hose properly and test
1592	470GLC	2/27/2025	Install cylinder brackets. Install filler caps
1592	470GLC	3/1/2025	Call ops for an operator to assist me with loader. Bleed off tensioner grease. Reinstall track. Adjust track tension. Noticed that Segments need changed. Unit is up
1592	470GLC	3/1/2025	Set track tensions

1592	470GLC	3/4/2025	Look for machine at NP2. Call for directions, no answer. Left to do next task on my agenda. Returned to see if I had missed it. Was told it was in an area I was unfamiliar with but unit was being walked to be transported to new work area. Did not get lines installed.
1592	470GLC	3/5/2025	Extract all broken fitting and hardware. Install new grease lines.
1592	470GLC	3/8/2025	Replace ripper tooth
1592	470GLC	3/8/2025	Went to unit, set up, removed bucket, installed ripper attachment, checked over unit, cleaned up
1592	470GLC	3/10/2025	Went found tooth and hardware, went to unit, set up, replaced ripper tooth, checked over unit, cleaned up work area
1592	470GLC	3/10/2025	Complaint of leak down counter weight. Get to unit and check fluids. Coolant low. Found hose blown off expansion tank. Check overflow hose and is plugged off, Clear overflow hose and attach hose that came off tank. Go get coolant and fill. Run and test machine. Send back to work.
1592	470GLC	3/11/2025	Replace ripper tooth
1592	470GLC	3/12/2025	Ripper tooth falling off. Pulled retainer from 1211 to keep it going and its retainer was no good. Drive back to yard pick up new tooth and retainer. Install. Unit up
1592	470GLC	3/13/2025	Ripper pin walking out remove tooth clean shank reinstall tooth, ripper shank adapter worn out
1592	470GLC	3/13/2025	Change ripper tooth
1592	470GLC	3/14/2025	Make template for armour, dig out plate from snow, cut armour, prep for welding, clear snow from in front of welding bay, remove another ripper from the bay, move ripper into bay, fit up armour
1592	470GLC	3/14/2025	Crackstapper 1000hr service
1592	470GLC	3/14/2025	Travel to machine tighten bucket wedge
1592	470GLC	3/14/2025	Get all samples. Change hyd,hyd pilot,hyd return,oil,fuel,fuel separator,inner outer air filters and inner outer cab filters. Change both finals, eng and both swing drives oil.
1592	470GLC	3/15/2025	Preheat, weld armour on, flip ripper and weld armour on other side, weld chocky blocks, post heat
1592	470GLC	3/15/2025	Right track fell off, install track adjust track tension inspected undercarriage rail and bottom roller are worn out
1592	470GLC	3/16/2025	Drive out to unit, get running, rotate track to walking pins, get pins back into rail, weld a couple pins in
1592	470GLC	3/16/2025	Change tooth had to steal one off of 1211 as none left in stock

1592	470GLC	3/17/2025	Shank protector fell off, no retainers left. Rob shank pro and pins and retainers off 1211. Install with a custom bolt in one of the holes to keep it on. Go back again and install tooth that fell off (adaptor wore out.) . Install tooth again later now with a 1” bolt so that it can’t fall out. Locate an exchange ripper load onto trailer get it brought up to unit and install on unit. Unload old ripper and bring to welding bay for rebuild.
1592	470GLC	3/18/2025	Went to unit, set up, replaced damaged step on track frame, cleaned up work area
1592	470GLC	3/18/2025	Move ripper into welding bay and set up, remove shank protector and tooth, clean shank and tip, mark out new tip, cut, bevel and clean up shank, prep new tip
1592	470GLC	3/19/2025	Fit up new ripper tip, preheat, welded, post heated
1592	470GLC	3/20/2025	Replaced ripper tip
1592	470GLC	3/20/2025	Chip out mud from shank, buff welds and joints and inspected. Found multiple cracks, started gouging out cracks
1592	470GLC	3/23/2025	Pull shank out of welding bay because it flooded, set ripper back up, gouge out multiple cracks in ripper, clean out gouges
1592	470GLC	3/24/2025	Preheat, weld cracks, post heat
1592	470GLC	3/27/2025	Loaded up, went to unit, set up, chipped mud from wedge bolts, swapped ripper to bucket, cleaned up work area
1592	470GLC	3/28/2025	Loaded up parts, went found unit, was moved, set up, replaced bottom front RH roller, cleaned up work area
1592	470GLC	4/4/2025	REPAIR AND ARMOUR RIPPER SHANK
1592	470GLC	4/5/2025	Left track fell off ,installed track back on,adjusted tracks. Left track sprocket worn out
1592	470GLC	4/5/2025	Travel to machine, assist other mechanic in track install. Travel to yard.
1592	470GLC	4/5/2025	Get ripped set up in shack, gouge out cracks grind clean and start to weld
1592	470GLC	4/6/2025	Finish gouging and rewelding cracks on ripper, get ripper set up for armour
1592	470GLC	4/7/2025	Pick kit. Drive to unit. Complete service on unit. Pack up. Locked unit out due to oil in coolant. Drive back to laydown.
1592	470GLC	4/7/2025	Assisted services
1592	470GLC	4/7/2025	Low power/ excessive blow smoke and oil in coolant. Verify- all correct. Inspect cam- ok. Order oil cooler. 21 psi boost pressure.
1592	470GLC	4/10/2025	Weld armour plate on ripper
1592	470GLC	4/11/2025	Complete welding out armor, gouge and fill crack on ripper face, gouge recess for pin retainer, install tooth and shank guard, move out of welding back and put in lineup

1592	470GLC	4/14/2025	Installed valves covers. Coolant line ,intake manifold Performed coolant pressure test. Exhaust gases in coolant
1592	470GLC	4/14/2025	Take sample from coolant tank, find that it is in fact not oil in the coolant and the coolant has turned black because of exhaust gas. Install injector harness and rocker box/ valve cover. Stall over releif and find bubbling in the coolant (eng hot) . Install panels.
1592	470GLC	4/17/2025	Remove lock so ops can move machine to get to low bed. Return later to lock out machine.
1592	470GLC	4/18/2025	Went to unit, set up, went through work orders on unit and read up on engine, checked over engine, ran out of time at end of the day, cleaned up went back to yard
1592	470GLC	4/23/2025	Went to unit, set up, troubleshoot engine issues on unit, tested fuel system, found injector 2 bad causing rough running and blue smoke, tested compression, good, checked egr system for exhaust in coolant, good, suspect injector cups bad causing bubbles in coolant tank, made repairs list, emailed it off for approval, cleaned up work area
1592	470GLC	4/23/2025	Performed complete inspection of unit, made repair list, emailed full list of repairs to Travis for approval, will make parts list once repairs are approved
1592	470GLC	4/24/2025	Washed unit entirely
1592	470GLC	4/25/2025	Demob unit
1592	470GLC	4/28/2025	Washed unit
1592	470GLC	4/29/2025	Get bucket into shack, remove cutting edge and start cutting armour plates
1592	470GLC	6/7/2025	Inspect for cracks
1592	470GLC	6/7/2025	Identify oil leakage
1592	470GLC	6/7/2025	Inspection
1592	470GLC	6/8/2025	Strip off bucket and quick change Strip off all belly pans
1592	470GLC	6/10/2025	Check front smoking and low power Do cut out, cylinder misfire and compression test all pass to spec Check for fuel dosing filling systems Do combustion gas test when cold, hot and over full stall. Check for bubbles in expansion tank as previously reported in same situation and couldn't get to happen
1592	470GLC	6/13/2025	Start removal of all egr components. Remove coolant. Notice right full of soot. Egr is right full of coolant. The cooler must be cracked. Continue removal. Get all the pipes removed and take them to the welding shop and have them cap and weld ends to blank off the pipes.
1592	470GLC	6/13/2025	Making blanks for delete

1592	470GLC	6/14/2025	Remove broken bolts from exhaust manifold. Finish capping off all blanks for egr. Fill full of water and soap. And start flushing. Checked machine for active codes. No issues. But still smokes really bad
1592	470GLC	6/14/2025	Removing broken bolts form exhaust manifold
1592	470GLC	6/15/2025	Flush radiator 8 times. With soap and water. Run machine and run through injector cut out test. Zero diffrent in smoke. Assemble misc panels and filled with coolant
1592	470GLC	6/16/2025	Finish panel install. Park machine with all its fall off pieces put into the line up
1592	470GLC	6/18/2025	Come up with game plan for possible engine issues and how to go about it.
1592	470GLC	6/19/2025	Injector cut out found zero issues to make the smoke go away. Walk across the yard and get it into the big shop for injectors. Found injectors to be original
1592	470GLC	6/20/2025	Remove injectors and valve train from engine suck out old diesel.
1592	470GLC	6/21/2025	Help with valve set, baring engine
1592	470GLC	6/21/2025	Install new injectors and valve set, re assemble engine and valve train. Run machine up to temp. Zero smoke at idle. Install all trim files.
1592	470GLC	6/22/2025	Cutting and gouging cracks from carbody
1592	470GLC	6/22/2025	Set up machine on pad for welding repairs, put machine on 1 foot blocks for easier welding repairs
1592	470GLC	6/22/2025	Set up machine on pad and blocks to carry out work
1592	470GLC	6/23/2025	Welding cracks in carbody
1592	470GLC	6/24/2025	Welding cracks in carbody
1592	470GLC	6/24/2025	Gouge off backing bars. Back gouged welds to repair porosity. Cleaned gouging. Started re welding.
1592	470GLC	6/25/2025	Finished weld repairs un underside of car body
1592	470GLC	6/27/2025	Fabricated unit numbers and brackets
1592	470GLC	6/28/2025	Ground out crack on top of car body where it attaches to rotex. Started welding crack opened up again. Started gouging out crack and welding intermittently
1592	470GLC	6/29/2025	Gouged and welded on car body
1592	470GLC	6/29/2025	Gouging and welding crack around the car body
1592	470GLC	6/30/2025	Finished repairing crack on top of carbody
1592	470GLC	6/30/2025	Finish gouging and welding cracking around car body and pain
1592	470GLC	7/13/2025	Go through pm checks and document findings.
1592	470GLC	7/20/2025	Drain hydraulic oil, remove exhaust system for pump removal. Pulled pump.

1592	470GLC	7/20/2025	Stripped hood mufflers and paneling, drained hyd tank, labeled hoses coming off pump with coloured zip ties removed all hoses, removed pump, shaft seal is blown out parts are ordered, cut hyd filters to make sure no brass was in them they were clean, repaired oil leak coming off 90 for remote lines for engine oil filter
1592	470GLC	7/20/2025	Helped Coner prepare to remove the hydraulic pump it is leaking in the bell housing
1592	470GLC	7/20/2025	Assist in remove pump seal
1592	470GLC	7/21/2025	remove circle drives remove seals clean get ready for reassembly
1592	470GLC	7/22/2025	change seals reinstall circle drives torque bolts and reconnect hoses
1592	470GLC	7/23/2025	Install new coupler to flywheel torqued to 37 ft lbs Clean up bell housing and pump face, install new seal and snap ring
1592	470GLC	7/23/2025	install pump coupler and seals
1592	470GLC	7/27/2025	Prep pump for installation. Install coupler to flywheel and torque to 37 ft-lbs with red loctite. Install damper gear on pump, torque to 218 ft lbs. Install pump, fastened hoses with new o-rings + hook up electrical on pump. Started re-filling hydraulic tank
1592	470GLC	7/28/2025	Remove wrong ordered coupler & damper gear. Install new correct setup. Torqued coupler to 37ft-lbs and the damper to 218ft-lbs. Hook up lines & electrical, prime pump following JD procedure. Install surrounding panels & exhaust system. Fill unit with hydraulic oil to the correct level. Run a function test on controls.
1592	470GLC	7/28/2025	Help install all paneling and exhaust etc
1592	470GLC	7/29/2025	Install panelling around pump and hood
1592	470GLC	7/29/2025	Fill both swings to proper level
1592	470GLC	7/31/2025	Removed pump, shaft seal was leaking, drained tank into clean tote, removed hood and mufflers, got pump out and removed old seal and found the o ring was split in half, ordered new o-ring and new seal