

Unit	Model	Date	Work Order Details
1686	SY500H	7/23/2023	Start dismantling wrist a twist to see what a wrong
1686	SY500H	7/24/2023	Dismantle wrist a twist. Remove broken fitting and replace
1686	SY500H	7/25/2023	Order pins and bushing for wrist bucket. Start to weld cracks
1686	SY500H	7/26/2023	Continue gouging bucket cracks
1686	SY500H	8/9/2023	Welded new collars and reinforced old collar on bucket
1686	SY500H	8/10/2023	Welding main bores on bucket and began line boring
1686	SY500H	8/11/2023	Line boring main bores on bucket
1686	SY500H	8/12/2023	Fitting new pin to bucket
1686	SY500H	8/13/2023	Finished line boring bucket, reassembled hoses
1686	SY500H	10/20/2023	Removed belly pans and side panels
1686	SY500H	10/29/2023	Unit battery's are dead, had to move unit 652 and those battery were dead. Jump start 652 to move, Jump start 1686 to get it running. Inspect machine, get the covers delivered Check all fluids, Run machine for functions
1686	SY500H	10/30/2023	Prep tracks for ice lugging
1686	SY500H	10/30/2023	Prepped tracks for ice lugging
1686	SY500H	10/30/2023	Cut off old lugs
1686	SY500H	10/30/2023	Install door panels and stump pans Install two new 4D battery's, Remove grate on car body to bolt fire extinguisher bracket on it. Reinstall grate. Install new LED light, finish paper work
1686	SY500H	10/31/2023	Ice lugging
1686	SY500H	10/31/2023	Cut off existing ice lugs. Welded on new ice lugs
1686	SY500H	10/31/2023	Fabricate unit numbers
1686	SY500H	11/1/2023	Install unit numbers
1686	SY500H	11/2/2023	Instal unit numbers
1686	SY500H	11/6/2023	Travel to 7/8 road, do mob in. Wire in 2 way radio and mount, complete inspection
1686	SY500H	11/6/2023	Mob in inspection radio was no good, repair attena check over rest of unit
1686	SY500H	11/24/2023	Find unit in pit, hook up laptop, diagnose & repair SCR system. perform SCR tests, DPF regen, clear codes, etc.
1686	SY500H	11/27/2023	Troubleshoot emissions
1686	SY500H	11/27/2023	Hook up insite, clear codes & perform SCR performance test. Shutdown test twice, check status screen & monitor DEF pressure, only building to 36psi. Needs to see 120psi. Doser pump suspect

1686	SY500H	11/28/2023	Hook up laptop, perform doser pump test, failed. Removed suction hose on DEF pump & found debris, blew out hose. Removed & cleaned debris from suction screen & filter in DEF pump, performed test again, not building pressure (6-8psi). Drain DEF tank & cleaned out. It's in warehouse blue cart. Ordered DEF pump & tank manifold filter. Removed all hoses & blow out with air, inspect orings & reinstall. Will need to install parts ordered & perform tests with Cummins insite to confirm repairs. Make sure coolant is topped up to the top of tank
1686	SY500H	11/28/2023	Assisted Bill
1686	SY500H	12/2/2023	Travel to unit hook up computer run diagnostic tests for emissions system
1686	SY500H	12/2/2023	Reinstall DEF tank, clean out lines and change filters, document process for warranty and attempt to run regeneration burn and continue troubleshooting
1686	SY500H	12/3/2023	Troubleshoot emissions and install new DEF pump clean off nox sensors, run regeneration burn issue, resolved
1686	SY500H	1/4/2024	Boost battery wait for unit to warm up operator testing it out started leaking coolant coolant line came off def heater put back on good to go
1686	SY500H	1/6/2024	Charge and boost with travel to stacking
1686	SY500H	1/11/2024	Check battery tighten down loss battery cable Check starter and belt
1686	SY500H	1/12/2024	Starting issues..
1686	SY500H	1/17/2024	Help troubleshoot no starting problems
1686	SY500H	1/17/2024	Heat up engine Walk to lay down Coolant leak Engine code: exhaust pressure, regulator out of calibration. Need more information.
1686	SY500H	1/19/2024	Boost an demob
1686	SY500H	1/22/2024	Welded nuts on three out of four final drive plugs they where stripped out
1686	SY500H	1/23/2024	Was good unit was shutting down while running, checked fuel separator, found sensors unplugged, checked engine oil didn't have a dip stick, drive to other unit to get dip stick, drove back checked oil. Started unit, no alarms but engine light on, plug in to Cummins but didn't get any codes off it, will need further diagnose

1686	SY500H	1/24/2024	Morning start up, Drive out site. Check over machine Def tank contamination: removed / cleaned Remove Def lines cleaned out. Flushed out DeF pump Top off coolant Fun up machine to operating temperature. Was able to remove all the codes but one. 6596: Diesel Particulate Filter Active Regeneration Inhibited Due to System Timeout - Condition Exists: Meaning the machine was requested a stationary regeneration, but was canceled by pushing the button. Note: Couldn't force regeneration: due to having Cummins licensing issues I already sent the email to have up dated.
1686	SY500H	1/24/2024	Check over unit. Do a visual inspection check fluids. Top up coolant level. Start the machine. Let machine warm up hook up laptop. Attempted to clear the codes. All but one fault code went away. Using laptop, observe sensors and parameters. Noticed DEF pressure low. Inspected DEF tank. Noticed there was some sort of contamination. Remove tank clean, clean the lines. Installed clean tank and lines. Attempted to do a manual DEF pressure test. Test failed further diagnosing required.
1686	SY500H	1/25/2024	Drive out to site Checked over unit. Run unit up to temp. Tried Aftertreatment Diesel Exhaust Fluid System Leak Test: would not build above 3. Psi, Pump not turning on. Wiring is in tack, fuse in good condition. Order new Doser pump
1686	SY500H	1/26/2024	Morning start up Drive out to site Change out DEF pump Start up unit, preform prime test. Ran DEF system prime, passed. Removed a the DEF fault codes. Attempted Regeneration, SCR Performance test: failed Codes: 5277 Engine Exhaust Back Pressure Regulator - Out calibration. 5696 Diesel Particulate Filter Active Regeneration Inhibited Due to System Timeout - Condition exist. Worked through Work through trouble shooting tree for code 5277: Found exhaust throttle valve to be damaged, the butterfly rod is warped, not able to control the potion from the actuator. Reassembled the exhaust, keeping the machine mobile. Order the replacement parts
1686	SY500H	1/26/2024	Install new DEF pump. Hook up laptop test Def system. passed its tests. Now Unit throwing codes for exhaust pressure regulator. Diagnose damage to the exhaust pressure regulator.
1686	SY500H	1/31/2024	Shift start up Morning line up Received inspection forms, printed off copies. Drive out to unit. Set up work area Work through inspection form. Will hand in and go over with management. Clean up for end of the day.
1686	SY500H	2/21/2024	Morning start up Drive out to the k block Wait for machine to become available. Set up work area. Took samples Had fuel and lube come top off left final drive, just under level should be, no leaks. Clean up Took samples back to yard for shipment to Head water.
1686	SY500H	3/10/2024	Find unit and weld nuts onto final drive bolts.

1686	SY500H	3/12/2024	Remove bucket and gouge/weld cracks
1686	SY500H	3/12/2024	Travel to unit. Setup work area. Install bucket on unit. Cleanup area.
1686	SY500H	3/12/2024	Drive all around site looking for unit. Found unit and got walked off haul road to safe place to be worked on. Remove bucket so welders can fix. Troubleshoot master switch. Order new master switch
1686	SY500H	3/19/2024	No obvious signs of source of leak. Start machine and check for leaks - no running leaks. Pressure up cooling system to 15psi, multiple hose clamps loose causing leaks. Tighten hose clamps. Pressure up system to 15psi again and shut in for 20min - pressure held. Call for coolant top up.
1686	SY500H	3/19/2024	Install new master switch knob.
1686	SY500H	3/26/2024	Inspected and found stump pans dirty. Remove pans and cleaned out thoroughly. Reinstalled pans.
1686	SY500H	3/26/2024	Removed pans from engine bay bottom cleaned out all the dirt and debris installed pans back on unit
1686	SY500H	4/6/2024	Inspected for leaks found 2 engine oil leaks, loose engine oil filter, tightened, injector harness connector at top of valve cover where it passes through was loose and not sealing properly, cut a spacer ring to take up clearance and installed under connector lock. Tested, no leaks. Called service to top engine oil.
1686	SY500H	4/8/2024	They walked a hoe out of the back of the k blocks. Hooked up laptop. Code for NOx sensor inlet. Remove sensor cleaned the end of it. Some carbon buildup test ran no codes.
1686	SY500H	4/30/2024	Drove out to unit and flushed final twice trying to find metal chucks , bearings are toast making a lot of noise. Submitted pictures of serial number and findings from inside final drive.
1686	SY500H	5/16/2024	Pull panels off machine. Organize and move to wash bay
1686	SY500H	5/16/2024	Strip panels off
1686	SY500H	5/20/2024	Assist Jay with putting unit on blocks.
1686	SY500H	5/21/2024	Block machine up remove tracks and sprockets Replace right final drive torque bolts to spec
1686	SY500H	5/22/2024	Remove carrier rollers remove rollers and rock guards heat bolts to get loose and remove they were red lock tight on bolts.
1686	SY500H	5/23/2024	Remove left Final drive, drain hyd tank for new oil
1686	SY500H	5/23/2024	Make parts list clean up rollers and carriers remove idlers and put all in steel bin clean up under machine.

1686	SY500H	5/23/2024	Helped John remove idlers
1686	SY500H	5/24/2024	Break away mud dirt and tar sand where rollers mount clean the surfaces tap rock guard holes and tap carrier roller holes clean up the mess insert adjuster to left frame.
1686	SY500H	5/24/2024	Assisted John, operated loader placing tensioner springs in the frames.
1686	SY500H	6/14/2024	switch out cores, switch over fittings
1686	SY500H	6/16/2024	Help install LHS final drive and hook up motor and torque bolts to spec. Clean and install front idlers and torque to spec push idlers into position
1686	SY500H	6/16/2024	Install left planetary and top off oil
1686	SY500H	6/16/2024	Install sprockets and torque to spec install front idlers filled unit with hydraulic oil function tested
1686	SY500H	6/17/2024	Install all roller idlers and rock guards checked all oil levels and topped off Replaced seat belt
1686	SY500H	6/17/2024	Clean and install undercarriage rollers and track guides and torque , worked with Jason B
1686	SY500H	7/3/2024	Replaced all roller bolts sprocket bolts and torqued to spec
1686	SY500H	7/4/2024	Install rock gaurds on track frame
1686	SY500H	7/4/2024	Assist Jay with installing roller guards.
1686	SY500H	7/4/2024	Remove quick attach pin replaced seal and plates rotated pin reshimed installed pin and greased
1686	SY500H	7/11/2024	Install tracks and get set up to press pins in
1686	SY500H	7/12/2024	Replace turbo oil pressure line
1686	SY500H	7/12/2024	Press track pad pins in install pads that where removed to fit press in
1686	SY500H	7/12/2024	Straitened and install panels
1686	SY500H	7/13/2024	Straighten stump pans. Start to fabricate center swivel gaurd.
1686	SY500H	7/14/2024	Install new pan for under frame had to cut bent bolts off and strainer tabs to do this also cleaned out cab and install floor mat
1686	SY500H	7/14/2024	Finish center swivel pan. Install on unit.
1686	SY500H	8/28/2024	Install new alternator tensioner and belt
1686	SY500H	8/29/2024	Install exhaust pressure sensor cleaned tube for sensor checked codes all clear know move to up line
1686	SY500H	9/24/2024	Checked antifreeze was right full brought machine up to operating temp found gauge was part was over used temp gun was at 187 checked upper and lower rad hoses had a 25 degree drop could tell thermostats where opening was ok
1686	SY500H	10/23/2024	De mob machine and move to shop for cab cleaning

1686	SY500H	11/1/2024	Complete inspection for rental to syncrude boost dead batteries Run machine to charge batteries
1686	SY500H	11/6/2024	Drive out to unit at R1, troubleshoot pump pressure issue, run unit through regen. Order parts and call up
1686	SY500H	11/10/2024	Quick attach lines on stick started leaking capped off lines
1686	SY500H	11/15/2024	Inspect unit. Found missing bolt in cutting edge. Replaced bolt. Machine was in good shape otherwise
1686	SY500H	11/15/2024	Checked unit over and installed missing cutting edge bolts
1686	SY500H	11/22/2024	250hr service Tracks need heat and chipping done
1686	SY500H	12/1/2024	T/s fault code. Reset master. Ran machine and code went away. Fixed hyd leak
1686	SY500H	12/17/2024	Boost
1686	SY500H	12/18/2024	Troubleshoot low power Forced Regen Warmed hydraulic oil All good
1686	SY500H	12/20/2024	- remove cutting edge, and replaced hardware - force regen - Repair broken windows - repair leak
1686	SY500H	12/27/2024	500hr service with swing oil change Finals flushed
1686	SY500H	12/31/2024	Boost for dead batteries
1686	SY500H	1/2/2025	Set up heater on unit, started charging batteries while heating unit, once unit fired up, checked fault codes and 5 active, all derate and after treatment related, continued to heat lines and components, checked dosing module, got codes to finally disappear and warmed up machine and hydraulics.
1686	SY500H	1/11/2025	Clean up mating surface for new edge
1686	SY500H	1/12/2025	Replace cutting edge.
1686	SY500H	1/12/2025	Drove to unit and tightened wedge
1686	SY500H	1/16/2025	Troubleshoot and repair debate and loose wedge bolts
1686	SY500H	1/16/2025	Tighten wedge bolts, wedge worn out
1686	SY500H	1/20/2025	Find unit and shut it down for the steamer and locked it out
1686	SY500H	1/26/2025	Remove track pad, order new hardware.
1686	SY500H	1/29/2025	Go to machine, get plugged in. Find regen inhibit on. Armrest hit it, make it so cant hit it again. Regen unit. Attach falling off cutting edge.
1686	SY500H	2/6/2025	Travelled around and look for unit there is DEF codes could not find the unit

1686	SY500H	2/7/2025	Got to unit hooked up computer found code for def tank level sensor and temperature sensor not reading found def tank frozen. Put my heater in tank unthawed code was still there removed sending unit cleaned def crystals off of sending unit and reinstalled codes were still there ordered new sending unit
1686	SY500H	2/13/2025	Put heat on unit, remove def tank from 1685, install in 1686, no codes. Run regen. Def is dosing correctly, tarp in engine rad. Drive back to yard
1686	SY500H	2/15/2025	Attempt install, hoard in tracks
1686	SY500H	2/16/2025	Put heat on unit, got heater running set up heater on car body. Started clearing frozen mud from car body
1686	SY500H	2/16/2025	Get unit fired up. Heat tracks. Chip out mud. Get skid steer to help with track install
1686	SY500H	2/17/2025	Help mechanic install track, go pick up loader bring to machine, get track back on, take loader back to laydown
1686	SY500H	2/17/2025	Installed track set track sag
1686	SY500H	2/17/2025	Boosted unit
1686	SY500H	3/6/2025	Did a 500 hr service was 280 hrs over
1686	SY500H	3/6/2025	Changing engine oil and engine oil filter, draining and filling up final drives , changing swing drive oil, changing air filters, cab air filters,changing diesel and hydraulic filters
1686	SY500H	3/9/2025	Boosted unit
1686	SY500H	4/7/2025	chip and shovel
1686	SY500H	4/10/2025	chip and shovel (almost done)
1686	SY500H	4/19/2025	Demob unit
1686	SY500H	5/8/2025	Boost to retrieve unit hours
1686	SY500H	5/20/2025	Steam
1686	SY500H	5/20/2025	Steamed
1686	SY500H	6/8/2025	Inspected and repaired,changed batteries,robbed starter solenoid track pads and bucket from 1685. Installed fire extinguisher and mounting bracket. Tested.
1686	SY500H	6/8/2025	Give andrew a hand on swapping bucket and putting track pad and replaced battery.
1686	SY500H	6/9/2025	Complete inspection and fuelling on Mechine for rental
1686	SY500H	6/9/2025	Checked and andjusted all fluids, greased and topped up fuel.
1686	SY500H	7/29/2025	Demob