

WT 789		Current Hours : 44974	
SN : 7ER00206		CATERPILLAR	773 D
1996			
Components	Component SMR	Hours Changed	Date Changed
Radiator	44974		
Engine	4138	40836	04/11/2018
Torque Converter	2799	42175	02/16/2020
Transmission	6699	38275	07/18/2017
Differential Rear	2767	42207	02/23/2020
Wheel End/Brakes Front LHS	44974		
Wheel End/Brakes Front RHS	44974		
Wheel End/Brakes Rear LHS	2799	42175	02/19/2020
Wheel End/Brakes Rear RHS	44974		
Suspension Front LHS	44974		
Suspension Front RHS	4544	40430	03/08/2018
Suspension Rear LHS	44974		
Suspension Rear RHS	44974		
Steer Cylinder LHS	44974		
Steer Cylinder RHS	2799	42175	02/29/2020
Hoist Cylinder LHS	44974		
Hoist Cylinder RHS	44974		
Scavenger Pump	2387	42587	05/21/2020
Water Pump	3027	41947	01/11/2020
Hyd Pump	2902	42072	01/16/2020
Engine Air Compressor	2277	42697	07/24/2020
Alternator	886	44088	04/26/2021
Scavenge pump	1350	43624	02/04/2021

Work Order	Description	Date
4474	Remove and replace faulty starter motor	04/27/2016
4565	Replace 4 leaking spray head diaphragms	05/12/2016
5150	Pump pump pos 3 & 4 tyres and inspect for leaks	05/23/2016
5174	Record tyre detailsPos 1 - 24.00R35 Goodyear RL-4H serial # 0114JCK75Pos 2 - 24.00R35	06/07/2016
5234	Repair spray fault	05/23/2016
5242	Repair water spray air valve	05/24/2016
5246	Replace blown dash light globes and check the main supply wiring loom	05/24/2016
5686	Toque up pos 3 wheel nuts to 890ftlb and pump up tyre to 100 psi after tyre repalcement	06/21/2016
7632	Flat BatteryJump startedTested charge rate 27.4 volts	08/10/2016
8461	Water Truck Caterpillar 773D 500hr serivce	10/30/2016
8603	Remove old fire extinguisher bracket & fit new one	09/05/2016
9841	Fitted new hydraulic motor for water sprayTested operations	10/14/2016
10259	Repaired thread for air fitting in RH spray	10/26/2016
10296	repair latch on solenoid box	10/27/2016
10684	Check noisy pump, *could not find fault, no bearing movement or temp	11/08/2016
11603	Fault won't change into 3rd gearChecked pressures, found @ clutch pack @ only 19 psi - removed trans as instructed	12/13/2016
11878	Air leak @ control box (back of the Unit)Refit air joiner	11/18/2016
11884	Fit hoses, make hoses for lift ramsdrain water, trans fault	11/19/2016
11968	Fit transmission to unit	12/21/2016
11972	Tran issueOnly 1 & 2 gearsHook up ET Gear not shifting @ trans	11/18/2016
12078	Main supply hose to spray pump leaking,Case drain hose leaking,Removed both hoses,Replaced & checked for leaks	11/17/2016
12116	Check over & test drive to test trans fault	12/23/2016
12365	Trouble shoot transmission fault,Replace 1pce trans solenoid,Test	11/21/2016
12436	Rock injection,Pos: 4 bent & jammed between wheels,Cut out bolt, un-jammed bar and removed ok	01/02/2017
13436	Pressure test pump ... Ok,Trans pressure is 410psi low idle & 445psi high idle,Trans lube pressure 1psi low idle & 11psi high idle,High idle should be 20- 30psi,Removed screen and found alloy flakes & rubber particles, Carried out mobile 3rd & 5th gear clutch pressure and both were 250psi.. they should be 310psi,Refitted gearbox plate,New trans filter & screen cleaned	01/26/2017

13515	Refilled final drives,Refitted wiring harness and guard,Test drive all shifts ok,Still had large oil leak front of T/C and rear of engine,Repaired coolant leak lower radiator water pump,Fix spring to emergency gate & welded new padbolt,Drill and tap new bolt holes for the tank cover Bolt down ladder down button fixed	01/27/2017
13519	Removed axles,Pressure check for every clutch pressure,pressure checked primary clutch pressure,Adjusted all pressures,Retested the clutch pressures, Gained primary pressure but still low pressure @ clutch No: 2 at low idle,But within specs at high idle,5th gear clutch pressure within specs,3rd gear was the only fault... Leak through seals,Refitted axles refitted trans cover,No oil in axles yet	01/26/2017
13536	Unit ran out off fuel , got service man to fuel up, bleed fuel system	02/04/2017
13721	Tightened fitting to stop grease leak but it is a fabricated fitting & wont fully tightenDrill out broken bolts & bolt down grease potRepaired fire suppression sensor wiring fault*note some sprays to be fixed & fit new mechanical seal to pump & steering measurements to do	01/29/2017
13778	Washed around starter motor,Checked for leaks,Found and repaired air leaks,Repaired VHF aerial,Repaired passengers window to stop rattling... Need new seals	01/28/2017
13912	Wash unit	02/12/2017
13939	11/2/17 10hrs - Beau Hederics & Andrew Ryan from William Adams.Removed transmission from 789 and placed on ground,Removed transmission from 462 and swapped components from 789's transmission before fitting 462's in 789,Connected all hoses and drive shafts,Cleaned areas around both trucks,Inspected LH final for making brass possible loose wheel bearing.11/2/17 8hrs - Beau Hederics & 12.5hrs Andrew Ryan from William Adams.Installed axles Filled the transmission, diff & final drives with oil,Checked over machine before start up,HMU & pump hosesRan up machine,Repaired wiring for tans speed sensor,Fixed steering leaks, Washed truck and inspected for leaks,Installed guards	02/12/2017
14061	Water Truck Caterpillar 773D 1000hr service	03/22/2017
14162	Trans oil leakReplaced transmission hose @ RHSDrained water , raised tub -upTopped up transmission oil	02/19/2017
14332	No Engine PowerChecked in ETInjector actuation pressure above normal	02/17/2017
14376	Engine AlarmCheck on computer ETFault code E-164-3injection actuation pressureVoltage above normalRest the unit - run *no fault code	02/22/2017
14591	Chains on front ladder, fuel filter, coolantRe-positioned fuel filter Welded chains to ladder Repaired oil leak on trans cooler Secured fire suppression hose	02/26/2017
14593	Fire suppression light & alarmTop up charge pressureRe-arrange wiring of controllerTested operations	02/26/2017
14720	Removed coolant hoses .Drained coolant	02/24/2017
14750	Air LeakFound damaged air line in control boxRepaired line started & tested operations Drain moisture from air tanksReplaced dump valve due to being inop -tested	03/05/2017
14833	Replace mechanical seals in water pump.	02/22/2017
14852	Drill out and replace broken mirror mount bolts.	02/23/2017

14882	Bolt up water pump flanges, Supports and mounts.Top up water level..	02/22/2017
14980	Tyre ChangeTried to remove pos 6 tyre, unable to undoRemoved pos 6 tyre, stripped water truck to fit on 789 pos 5 tyre, deflated tyreundid some nuts on pos 6 tyre on 789 but unable to undo others	03/09/2017
15173	Removed & replaced 2 rubber hoses from hydraulic tank	03/13/2017
15179	Fix oil leakReplace spiral guards, secured & re-routed hosesTop up hydraulic oil & steering oil	03/13/2017
15334	Exhaust pipe brokenMud Flap @ RHS brokenRepair the exhaust elbow pipe	03/12/2017
15344	Fit wheels to pos 5/6Inflate to 100psi	03/09/2017
15351	Re-torque pos 6 tyre	03/10/2017
15448	Trans Fault - no gearsChecked faults - trans sensor abnormal, erratic or incorrectClean connections & drive to w/shop	03/18/2017
14688	Repair compressor.Repair front steps.Repair fir extinguisher bracket	02/25/2017
14045	Not selecting reverse IssueChecked with ET, no faults were presentRemoved wiring for transmission - inspect connectors, found two wires partly removedRectified & tested *fine	01/30/2017
13136	Oil light flicking on,Check oil level...OK,Check wiring...OK,Started and ran machine for 15mins,Could not re-produce the issue	01/17/2017
15512	Transmission FaultRepaired trans wiringChecked solenoidsReplaced gear sensor (second Hand)	03/20/2017
12105	Check sprays and pump,Adjusted inside sprays & RH lower spray,Water leaking past mechanical seal	11/17/2016
15686	Transmission fault on going	03/22/2017
15839	Park light faultReplaced 2 x new terminals from sensor	03/26/2017
16070	Removed fire extinguisher bracket,Repaired crack,Re-fitted	04/01/2017
12095	Fixed broken ladder - front	11/17/2016
16132	Hydraulic oil leak - lowTop up hydraulic - oiltraced oil leaks - found TC hose - outlet cooler (size - 32)Brought too w/shop	04/04/2017
16164	Water pump removalDrain water out of tankRemove mounting bolts except 3 bolts, support pump & set up pump to enable safe removal	04/05/2017
16344	Check transmission operations & switch controlChecked unit operationsChecked fault code MID 027-CID5100-FMI102Checked continuity of the harnessRepaired pin connector 772-WH for boom2	03/27/2017
16507	Rear work lights n/w - oil leakCheck oil leak Check rear work lights, repair wiringContinue checking wiring	03/13/2017
16605	Fix water pump coupling, water canon** note Leaking hose at brake cooling LH sideWorking lights n/wWalk way bolts missing	03/28/2017
16607	Drive gear issuesChecked over wiring to trans gear shift cardLocated corroded plug into cabCut out plug & repaired wiringChecked operations	03/29/2017

16637	Pump installations & repairs Repair faulty sprayer, replaced leaking sprays o-ring & seal Fill water tank & test for correct operations Found leaking sprayer pipe - to be welded during service	03/27/2017
16648	Repaired AC Replaced leaking condenser Vac down system, charge with nitrogen Tested operations	03/28/2017
16979	Removed trans shift ECU from another unit and fitted, Test run, Trans faulting in third gear, Checked fault, Found faulty down shift solenoid, Handed over for further investigation to be carried out	04/09/2017
12044	UHF inop Replaced faulty UHF - screen cutting out Checked wiring to 24v - 12 v converter - no power - could not find fault Ran new power wire from isolator to power UHF	11/20/2016
18151	UHF faulty - no back light - speaker (external) faulty - replaced Need new UHF status sustained	06/02/2017
18162	Checked oil leak @ pos 3 hub Repaired stereo checked stereo	06/01/2017
18232	Power @ key issue - none Checked operations of isolators Checked for power at both battery isolators - fine Checked fuses in behind isolator box - fine Checked fuses behind seat & found loose fuse Replaced & checked power at key - fine	06/04/2017
18283	Fire Suppression - beeping Checked fire suppression system Slightly low pressures - test for leaks Tightened fittings - de-pressurize system Gas - re-check for leaks - no found	06/02/2017
18346	Check sprays, Checked rear air solenoides	06/09/2017
12028	Transmission Rebuild	11/16/2016
11762	Driver thought unit felt different Checked struts all the level ride height Check steering * fine	07/18/2017
11699	Repaired oil leak - test operations Replaced o-ring Weld pipetop up hydraulic oil Put bolt on man hole Wash unit Check for leaks Repaired rear lamp mount Air bleed on brake system	11/10/2016
19603	Work Order 8461500 hrs service Oil leak on engine in valley Replaced valves on pos 4 & 5 Secured hoses underneath	07/06/2017
10479	Grease system - n/w Checked grease system - no air pressure Traced all wiring - found broken wire & repaired Air valve - working - test pump- n/w Removed & replaced pump system - fine	11/02/2016
20152	No power - light on Blew out & cleaned all engine bay connectors & ECU connectors until dry Re-start unit - no light Test drive unit to check operations - fine	07/23/2017
20156	Travel down pit, crimp air line so unit could be driven to w/shop	07/23/2017
10241	Filled with hydraulic oil - bled brakes Washed down unit Checked for leaks, minor leaks at hydraulic tank (supervisor aware)	10/26/2016
10206	Grease system No power to grease pump solenoid, Found and repaired wiring - test air supply Need further testing - possible pump or not enough air pressure. Requires new pressure gauge	10/26/2016
20322	Fire Suppression fault Found faulty wiring	07/20/2017
10105	Install coupling between water pump & hydraulic pump Install coupling Charge nitrogen to rear suspensions Both rear suspension leaking	10/23/2016

20383	LH rear cylinder leaking gas Removed cylinder - replaced seals- cleaned Fixed cylinder, filled with oil & gas Fitted covers Inflated tyres	07/27/2017
20447	sprayers not working - removed hydraulic motor, repaired front bearing and coupling	07/28/2017
9611	Fit new stereo Check operations	10/09/2016
8329	Jump started truck Found oil leak Checked breather oil leaking Adjust oil level in oil tank Tested	08/30/2016
7484	Replace RHS mirror mounting bolts	08/06/2016
5443	Ball stud and bearing installation. Removed and replaced worn and damaged ball studs and bearings, 2pcs.	06/09/2016
21059	Check and repair pre starts faults as per asset to do list	09/11/2017
5129	Injector leak. Remove rocker cover, crank engine and check injectors leak. Move #1 cylinder to top dead center.	05/20/2016
21400	Replace light bulb in cabin.	08/10/2017
21529	AC not working. Found suction and discharge valves are on wrong way, swapped valves. Vac and recharge AC system.	09/14/2017
21715	Check and repair pre start faults as per asset to do list	08/04/2017
4785	Loosing power. Engine got flooded with water again, remove all ECM plugs and clean. Test run - all working OK.	05/19/2016
21799	Finish service. Complete mech checks, fixed grease line on steering, re-charged front suspension with nitrogen, replaced o ring and clamp on engine oil filler tube. Checked and fixed pre-start fault list.	07/21/2017
21850	Re-torque pos 3. OK.	08/26/2017
21935	Remove overhaul and refit air dryer, replace perished hoses, plumb up governor.	08/24/2017
4538	Engine wont start. Troubleshoot engine fault, Replace pressure switch, test machine and wash. OK.	05/12/2016
22153	Pre-start and check over.	08/13/2017
22279	Strut problem, check strut height.	08/30/2017
22405	Diagnose spray switch fault. Trace wiring found loose wiring in connection plug repair wiring and test run	09/24/2017
4377	Grease leaks @ grease tank, tighten fittings	05/08/2016
23345	Replaced head light & trace broken wire, repair light problem	10/14/2017
23572	Fix RHR strut, grease fittings on RHR strut, lifted strut into correct position & replaced top pin & bolt, replaced broken grease fittings, missing top pin on RHR strut (replaced)	10/22/2017
23658	Fuel leaking from water separator Replaced water separator	10/30/2017
23674	Commission new water truck to site - Carry out repairs: Repair leaking starter motor leak, Replace batteries, Check and adjust strut heights, Fit work lights and wire up flashing beacon, Weld up access ladder and hand rails.	10/31/2017
4318	Refit intake ducting, Exhaust ducting, Exhaust lagging and engine breather.	04/23/2016

4317	Fire Suppression Level 1 - conduct level 1 service, not used 1 BW sticker, require 13 nozzle caps used 2 tags	04/30/2016
23901	Muffler bracket brokenRepair & weld muffler bracketTightened grease fittings @ grease pot	11/03/2017
23922	Lose Muffler - Go to stand pipe & inspect, try to find part, no heli coil kits, no taps, make up self tapping bolt fit	11/03/2017
23957	Broken Mud Guard - Removed RH Front mud guard, refitted RH exhaust manifold cover	10/06/2017
23958	Trans FaultReplaced gear sensor (card) wiring loom & plugs	10/07/2017
15466	Oil leak at Pos 2 - Inspect found charge brake line completely broken, remove make new hose & fit, bleed brake caliper, travel to snapper for fitting	03/19/2017
24047	Trans not shifting properly,water sprays only working intermittently Test drove truck all ok , checked over sprays but unit had too return to work* no resolutions for the fault	11/05/2017
15484	R&R mechanical seal in water pumpRemove water pump split & dis-assemble wet-end of pump, fit new mechanical seal grease bearings which are completely u/s & reassemble pumpFit pump*note bearings so u/s the seal will only last about 30-60 mins	03/18/2017
15485	Remove tyres @ pos. #4 & fit another tyre on #4 & pos #3	03/17/2017
24448	Repair rear spray PTO pump solenoid wiring fault	11/07/2017
6324	Fix indicator issuesReplaced flashing relay, fix wiring	07/06/2016
15650	Grease Tank & Re-mount - Re-mount weld up mounting parts for grease tank, refir air & grease hoses, check operation, grease pump not operating - faulty, replace grease pump & check operation - oil, perform pre-start, return to go line	03/21/2017
24744	No Air build up Brakes dragging - Check & trouble shoot, fix the grease leaks, top up the grease	11/22/2017
25006	Platform Broken - Cut out steel supports, removed unwanted sections, jack up platform & reposition, weld in supports. Weld up hand rails	12/15/2017
25012	Water Truck Caterpillar 773D 500hr serivcerepaired work light RH rear	12/16/2017
24189	Repairs & Service BSL JOB CARD (Refer to Document Attached)	11/09/2017
24216	Replace UHF antenna belt water cannon back on	11/07/2017
24459	Air not charging - look for air leaks, found air leak at grease pump (faulty), test machine okFaults identified: Need to fix grease pot mount, grease system not working.	11/10/2017
25262	Retorque tyres - Retorqued pos 6 wheel and ready to go to go line	11/22/2017
25313	Dash lights - Brake air pressure gauge - Sump gasket leaking - Dash light globes on order, checked every component regarding brake air pressure gauge - tightened sump bolts but sump gasket still leaks (need new one ordered)	11/19/2017
25447	Warn out Steering Cylinder - Ball Stud - Replaced LH steering cylinder ball stud and bearing fitted additional washer / spacer as directed, prestart, top up hydraulic tank	12/04/2017
25065	Tyres Removed - jacked up truck removed pos 6 & pos 5 wheel, refitted 6 wheel & torqued inflated to 100 psi.Faults Identified: Wheel end & pos 5 wheel to be replaced	12/08/2017
25489	Remove wheel end and still to be refitted	11/18/2017

25507	Beacon & 2 way radio fault - Checked electrical fault replace beacon assembly	11/18/2017
25518	Lights Issue Replaced work tail & indicator lights wirings Replaced rear flashing light Replaced hydraulic hose	11/12/2017
16099	Water Truck Caterpillar 773D 1000hr service	04/03/2017
17939	Adjusted seat adjustment (Requires new seat)	05/24/2017
18708	Beacon light n/w - oil leak at rear spray motor - remove & replace beacon weld up pin holes in previously fabricated hose fitting	05/26/2017
26480	Broken grease fitting - c/o grease fitting at pump to pressure switch	01/02/2018
26496	Water Truck Caterpillar 773D 750hr service	12/29/2017
26516	Retarder handle loose - tightened & fixed screw for retarder handle.	02/25/2018
26938	Mechanical checks. Repair defects	01/18/2018
18763	h2o pump not working fixed	05/25/2017
27216	overheating checked liquid levels washed radiator and tank reduced hoist pump motor pressure	01/19/2018
27231	pump coupling damage/failure removed taper lock from old motor modify & re-assemble to fit on pump/motor	01/20/2018
27245	ac fault not air coming from ac not pumping	01/21/2018
27289	work lights and pumps stopped working found light are not grounded replaced damaged wires replaced fuse	01/23/2018
27327	repair cracks - leaks in spray bar and reinforce with comp-plates	01/18/2018
27356	oil leaks made a new hyd oil hose removed hoses replaced o-rings refit torque converter breather fitting found RHR top strut pin retainer refit strut pin replace pin retainer	01/30/2018
27375	spray pump cutting in and out solenoid found damaged wire repaired found hose behind tank leaking badly, filled hyd oil up due to tank almost being empty	01/31/2018
27541	no gear selection - checked harness, repaired broken wire upshift-downshift solenoid - repaired broken grease line	02/04/2018
27555	repaired air leaks - replaced air fitting - replaced air sensor sender for gauge	02/03/2018
27642	air system leak	02/01/2018
27656	Remove hoses for access for weld repairs. Remove steering cylinder ball stud	02/03/2018
18765	UHF Not working Repaired wiring fault	05/25/2017
19800	Engine bay was flooded with oil by overfilling tank Blew 4 to 5" of oil off of the valley with air and air dried wiring plugs as best as possible	07/01/2017
20226	Fixed brake relay valve leaks - fittings corroded & seized, remove hoses & valves, replace o-rings & clean out & repair, reassemble & test	07/16/2017
27862	Checked over and noticed belts stretched and touching shroud, 1 belt left intact. Removed and replaced belts, Fitted new fittings to grease unit and secured unit	02/08/2018
20269	Machine does not build Air - check remove air dryer assembly & replace air dryer kit	07/17/2017
27898	fixed air leaks	02/10/2018

27932	Air system fault (does not build up pressure)- located air leaks- fixed	02/12/2018
27936	machine not building up air - checked and charged air @ tank	02/13/2018
27945	Grease alarm Remove & repair grease injector block with 2nd hand one from spare parts dept	02/12/2018
20353	drivers mirror loose - made new mirror bracket and replaced broke bolts	07/19/2017
28034	Replaced AC compressor - drain coolant, disconnect hoses, remove old unit, removed air intake pipe & exhaust pipe, install new compressor	02/14/2018
28297	Change air filter, prestart checks inspect, truck operational	02/18/2018
28311	Install Compressor - Look for air leak- Continue replace-air relay	02/18/2018
28371	Finish of compressor - Found air leak at compressor fixed leak	02/21/2018
28373	1000 HR Service - Washed the machine - Start 1000 HR Service - Complete engine oil filters & fuel filters - Drained engine oil - Extacted engine oil sample	02/20/2018
28500	Water Truck Caterpillar 773D 250 hr service	02/26/2018
20488	Inspect air leaks - Checked and verified air leaks- Replaced air fitting- Replaced MX valve from air tank - Topped up HYD oil	08/25/2017
28861	Check handrail/access platform - handrail loose on LHS - Hadrail broken on RHS	03/01/2018
28966	Pos 2 strut collapse - Put track on wash pod & drain water tank - Greased up strut	03/04/2018
28968	William Adams - Andrew Ryan - Invoice 1099084 - 3/8/17 Complete installation of ECM & components Removed for injector codes- attempted starting injection disabled Complete basic crank- no start TS Pack up - Perform full crank no. start procedure No pressure until crank speed to low- test sensor circuit - fine Leak from HEU to head Remove fitting & re-seal Repair retarder light blown - remove cover Check for actuation pressure leakage #5 injector constant stream out bleed hole Consult customer on further action- told one injector cannot cause - not to start Attempt start with extra RPM - no start - clean up	03/04/2018
20716	Remove front strut RH - Remove plumbing - Remove steering support - Pull out wheel end- Pull out front strut - Reseal and greasing front strut	08/02/2017
29096	Charge suspension front - Change oil and gas - Top up hyd oil - Air bleed brake system - Inflate tyre - Remove sack stand	03/08/2018
29200	Repair blower motor switch perform prestart - Tested blower switch, faulty remove dash panel - Remove switch - Book out cat toggle switch and make a new harness connect to factory harness and test ok- Tested A/C function OK - Performed prestart - Returned to go line	03/09/2018
29287	Welded up handrail	03/14/2018

29487	William Adams - Aaron Shillabeer - Invoice 1099111New ECM - couldn't load flash file on unit as no comsMake bench load cable & load-file3/8/17 - Invoice 1099112Fit ECM - correct FLS/ETS with factory passwordRun through - TS steps for no HEVI oil oil pressureFound & repaired RHS 90* supply fitting oil leakCleaned oil in valleyRemoved all rocker covers - found no.5 injector bypassing oil4/8/17 - Invoice 1099113Isolate L&R bank HEVI - oil galleries still no pressure with no5 leaking - found no.5 is prime injector- all other NPDaan told us to fit another 2nd hand prime injector to test	03/16/2018
20717	Inspect air leaks - Position machine - Resealed air leaks from sprayer diaphragm- replaced busted hyd hose of AUX water pump sprayer - Top up hyd oil	08/02/2017
29549	Broken hand rail - UHF not working - Weld the hand rail - Fix wiring issue on UHF	03/18/2018
29625	Sprays open - LH lower spray stuck open removed chunk of steel	03/21/2018
29629	Replace ball joint. Remove ball joint from cylinder, fit ball joint. Fit hose connection on cylinder and grease line. Top up transmission and steering oil. Pre-start.	03/20/2018
21037	A/C fan wont work- reset circuit breaker - Couldn't find damaged wiring	09/11/2017
29718	Check engine light suppression alarm- Checked fire supp was cutting the ignition out & shutting truck down, loaded nitrogen went to charge system but found a blocked valve on top of bottle - removed valve and cleaned out, found damaged o-rings on valve fixed and refitted valve, Charged up and checked operation all good	03/22/2018
29777	Fill air system/ Compressor- Hook up compressor and top up air tank ok	03/26/2018
29782	Safety inspection- Check fire ext - Check emergency gates - Check alternator, A/C compressor and drive shaft guards	03/25/2018
29795	Perform Pre-start - Parts survey	03/22/2018
29881	Checked grease system - checked pump - working Attn : grease tank needs to be secured - welded loose Cleaned tank & re-seal pump	03/24/2018
24519	Rear worklight and cab light not working. Hydraulic oil leak. Repair light problem, remove leaking hose and make new hose.	11/14/2017
21086	Damaged ladders - Repair emergency & access ladder	09/08/2017
30016	Faulty water pump.Sprays not operating. Drained water and brought to workshop. Found hydraulic oil tank low, topped up with hydraulic oil. Checked operation - OK.	03/27/2018
21783	Water spray pump failed.Removed pumped, removed broken and damaged coupling, weld and repaired. Repaired damaged threads, installed components, found a defect, notify supervisor for further repairs.	07/23/2017
21985	Water Truck Caterpillar 773D 500hr service	08/24/2017
30335	Engine Repair - installed crankshaft journals, con-rod cap, oil pump, oil pan and refit pipes.	04/09/2018
30430	Fire suppression system service - Water Trucks 6 monthly - A. Page (MFS)	04/11/2018
30449	Completed Fire Suppression in accordance with OH & S RequirementsCompleted by MBD Contractors - Andrew Paige	04/06/2018
23076	Replaced faulty voltage reducer for LHF	10/19/2017

23691	Broken grease line of steering ball stud and bearing - Made a new hose and replaced grease line	10/29/2017
30528	Grease system N/W - Re welded walkway supports - Checked wiring's and replaced missing fuse of the grease system - Welded hand rail support	04/14/2018
30529	Grease line came off - Refitted grease line & manually greased steering pins	04/13/2018
30542	Low engine oil pressure - Pressure test engine oil & compare with Cat ET. Faults Identified: Pressure Gauge not correlated with Cat ET, faulty pressure sensor	04/14/2018
30548	Grease leaks @ Grease pot - Tighten grease fittings, install bolts @ muffler bracket	04/09/2018
23860	Fire suppression system service - Water Trucks 6 monthly - MBD	10/06/2017
30717	Air Leak - Checked air lines, found grease pod is empty and grease filling line is blocked, sent to W/Shop for repairs	04/18/2018
30783	Grease Fault - Replace grease line & pre start, removed quick fill hose from back of truck, hose is blocked, move truck to W/Shop to rectify	04/19/2018
30789	Loose R/RH strut pins bolts, tighten both bolts and nuts.	04/19/2018
30821	Machine Repairs - Remove blockage on the water pump & refit water pump pipe. Wash truck, remove LHS intake pipe	04/17/2018
30976	Checked machine over as per instruction list of faults attached - Begin repairs as per instruction - Machine returned to go line	04/24/2018
31172	Inspect coolant dilution - Drained coolant - Removed engine oil sample - Removed connecting rod NO 11	12/21/2017
31418	UHF not working - Refit hand piece tested ok	04/30/2018
31615	Assemble machine - Pulled out after cooler base from old engine - Wash steering tank, grease tank @ air cleaner - Installed steering tank pipe and hose - Pulled out air cleaner air box from old parts	05/04/2018
37734	Engine repair - Clean after cooler parts- Install air cleaner- install grease tank(HRS NP)	09/11/2018
37809	Assemble engine - Fit harness connector to sensors and switch- Fit oil pipe (top of pump)- Repair intake pressure sensor wiring - Fit fuel lines - Replace atmospheric and oil pressure sensor- Replace elbow on fuel pump(Hours N/W)	09/12/2018
37900	Eng repairs - Pre start on machine take 5's on the machine - Fit harness A/C compressor & alternator - Fit engine guard- Pre cleaner pipes and hoses - Robbed clamp other unit install to turbo clamp & prepHours N/W	09/15/2018
37901	Engine repair (JOE)- Refit air compressor lines - Refit LHS turbo pipes- Refit breathers pipes and clamps refit dipstick, oil fill brackets - Refit engine fitting brackets Engine repair - Reveal turbo pipes and fit (ARON)- Check turbo end and play- Fit exhaust pipe RH- Fit on line	09/15/2018
37904	Engine repairs - Pre start on the machine - Fabricate mounting for air cleaner housing and grease tank, installed battery- Installed after cooler outlet pipe- Drill hole for mounting air cleaner grease tank (HOURS N/W)	09/14/2018
37958	Eng repairs - Prestart on machine - Fit after cooler pipe lines	09/16/2018

37983	Eng repair - Tension fuel hose (Back of ecm)- Secure engine harness - Fit coolant sensor - Fot coolant hose (bottom of eng)- Cleaned pre cleaner	09/18/2018
38003	Repairs as per Handover - Remove & fit new radio, order parts, fit new blower fan switch, secure loose wiring & reassemble dash, source parts for ecm fitment & begin fitment pack up	09/16/2018
38179	Engine repair- Replace busted engine oil hose - Repair retarder valve mounts - Replace batteries - Troubleshoot engine wont start	09/25/2018
38305	Engine reassemble - Checked wiring, continuity and power supplies - Replaced shorted torque converter temp sensor and fixed starting trouble - re-secured engine wiring - Hand over	09/29/2018
38342	Machine repairs - Replace/repair fuel lines - Install battery & connectors - Install ECM mounts - Replace priming pump	09/30/2018
38401	Engine repair - Replace fuel lines & fit skin protection - Replace engine oil filter & hoses - Top up engine oil, water on radiator, steering, hydraulic to transmission	09/27/2018
38460	Engine repair - Replaced roto chamber cylinder - Fit LHS cylinder head covers- Fit install & exhaust pipe- Fit breather - Change eng oil	09/28/2018
38514	Replaced LHS steering tie rod - Pre start on machine - Removed old LHS steering tie rod, Travel to GNKO from pick up the tie rod waiting - Installed tie rod - Top up engine oil - Top up trans oil, Sent to go line	10/15/2018
38517	LHS front & rear indicator lights not working, pre start re-wired plugs on indicator lights, completed pre starts	10/16/2018
24022	Change ball joint washer - replace ball joint washer	10/09/2017
25166	repair engine - Rob out injector sleeve - Fit LHS injector sleeves- Fit rocker and injector	12/11/2017
39013	Prestart machine, charged batteries performed cat ET found engine speed not calibrated and tub up lever sensor above normal - Started to remove injectors RH side and adjusted valve clearance for LH side injectors - installed back engine ECM points upon testing - Need to install air filter hose and breather pipe - Bleed fuel system - Test ran machine	10/12/2018
39267	Fab air tank hose rectify leak on pre tube, checked for alarm (need to calibrate engine) fixed emergency fire ext, top up hyd oil and diesel cut out solenoid, injector cut out - Fan complete grease system - Need timing probe for engine time calibration - Check for grease system - Installed fire ext	10/27/2018
39366	Put new tyres on rims for pos 1 & 2, front run outs fitted to pos 3 & 4	10/28/2018
25242	Hydraulic Oil Leak - pull out water pump line (busted hose), fabricate & install new hose, secure the water pump lines, top up hydraulic fluid, prestart	11/08/2017
25468	Fire suppression system service - Water Trucks 12 monthly	11/16/2017
51148	Recondition Alternator	09/21/2019
51283	Water Truck Caterpillar 773D 4000hr service	09/20/2019
51643	Re-torque - Pulled machine up on go line and retorqued pos 3 handed back to production	12/20/2019

42225	Repair Front Fire Extinguisher Cut off old fire extinguisher bracket cut fire extinguisher bracket off A/C Trolleys ,Fit to truck	01/01/2019
54919	Fitted 1 x Fire Extinguisher 9kg	01/16/2020
25560	Removed broken air pre-cleaner, fixed grease leak @ grease pump, secured all grease lines cleaned grease leak areas	12/05/2017
25590	Seat U/S - Water pump coupling unsecure. Replace seat assembly (from 598) secure water pump coupling	11/29/2017
26298	Fire Alarm - confirm alarm on, found to be low on pressure, bypass due to send back to Snapper for repairs	01/07/2018
27009	hyd oil leak - pulled out damaged hose - fabricated hose and fit to machine - top up hyd oil	01/24/2018
27741	not building oil pressure - machine checked - repaired air leak	02/04/2018
27746	park brake light staying on fixed	02/03/2018
27748	Replaced front strobe light	02/07/2018
27882	air system fault - caused by a sticky relay valve	02/10/2018
27977	Pre-Start repair - Fix rear lamp -Replace O-ring on brake cooling hose- Replace hydraulic hose (Back to filter)- Check final drive on level (OK) - Test retarder park brake service brake and emergency brake operation - Cleaned at service bay	02/13/2018
28679	Tack up handrail	02/26/2018
28973	Grease lines off- Reconnected grease lines	03/04/2018
29499	A/C N/W - Checked A/C pressures ok - Found had connection at high - Pressure switch - Repaired connections ok	03/17/2018
29712	Defect repairs- Fabricated, welded and carried out repairs as per required	03/22/2018
29995	Spray issue	03/26/2018
29996	LH/rear work light flashing on and off - Repaired/isolated broken wire for LH/rear work light	03/29/2018
30111	No 10 Injector fault - Checked over wiring from ECM to no 10 checked injector with ET removed injectors from old engines tried to find compatible injector	04/02/2018
30166	Installation of oil cooler - install trans oil cooler & refit hydraulic lines, install engine guard, pressure test engine oil pressure, prestart ok.	04/04/2018
30493	Grease leak @ grease pump - Fitting out of grease pump not sealing, Replace fitting, run grease pump for 2 cycles, Check ok	04/11/2018
30500	Oil pressure low alarm - check pressure on gauge & on ET - pressures are matching ok. Oil @ 74c - 650 rpm @ 80 kPaCoolant @ 77c - 1000 rpm @ 170 kPa, 2000 rpm @ 390 kPa.	04/13/2018
30579	Remove & replace air tank	04/10/2018
38788	Fuel issue - white smoke when engine running - Start machine & check where fuel leaks - Removed fuel injector 1.3.5.7 check for damage O-Ring ok	10/09/2018
38807	UHF radio and flashing light N.W - Checked UHF radio wiring and replaced fuse - replaced shorted flashing light	10/09/2018

45634	Re fit Pump , Cut Weld pipe into pump.Bolt pump in place , Measure 90 Elbow cut and weld in correct spot.	04/26/2019
54925	Sprays n.w - coolant leak - Checked over nothing obvious - checked controls all good found rock hammed in pump spin over and removed looks all ok - Heated hose split turned off taps and tag the truck	01/17/2020
54994	Coolant leak - checked leak at go line after service cart put 80 lts in and seen coolant coming from up in behind water pump - drive to WS	10/06/2019
54995	Fit parts to water truck - Fit exhaust leg Fit new mirror left side - Fit new window regulator seals to drivers door	10/07/2019
54996	Water pump n.w - Checked all wiring fuses checked pump operation pump was not turning - turned pump by hand and let water out bit of shaft come out and tried pump and worked	10/10/2019
54993	C/O wiper motor - removed old mirror off drivers door - refitted belly guards and welded bracket - topped up coolant and run up - test drive	10/06/2019
55194	Fit and fab platform under drivers door - cut and fit kick rails to existing platform - make kick platform extension - fix hand rail and paint - put air in front tyres	10/10/2019
54970	Attached safety rails by bolting and weld missing weld on belly mounts point tension all bolts on belly plate - fab new hand rail around door area- Platform needs to be wider around door area - weld around broken bolts still need to be done	09/09/2019
54971	Recommission water cart - Repaired crack on walkway - pulled hand rail off platform to repair platform - cut off two nuts and replaced - Ground back old broken welds and welded up -painted handrails and platform put reflective strips on platform - bolted hand rail back on - attempted to remove broken bracket	09/19/2019
54972	Fit walkway, fire ext bracket and removed old walkway - removed broken bolts from diesel tank mount - source new bolt	09/20/2019
54973	Oil leak - Oil leaking from LH oil line that supplies injector oil pressure oring on the fitting had let go replaced all ok	09/20/2019
54974	Re-torque all wheels - pos 3 and 6 wheels removed -re-torqued pos 1.2.4.5 - fitted pos 3 and 6 wheels - torque and fitted retorque tag - all pressures at 100 psi	09/02/2019
54975	Engine oil changed - Drained and replaced oil and filters - Take sample and cut open filters	09/22/2019
54976	Grease pump fault - Check grease pump functions - reset settings of timing of grease pump	09/22/2019
54977	Assist fitter in fixing grease pump - washed oil from engine and returned to go line	09/23/2019
54978	Sprays n.w - Rubber boot that drives the pump had come off and cant be found sent back to WS	09/23/2019
54979	Fire supp low pressure alarm - checked pressure switches and wiring - topped up gas - checked for leaks	09/23/2019
54980	Mech repair - replaced water pump rubber coupling	09/24/2019
54981	Trans fault erratic - hard to up shift or change gear- Checked trans oil ok - Plugged in CAT ET no fault code - preset related to trans - test drive machine - sent back to WS	09/24/2019

54982	Hard start and shift gear issue - Bleed fuel system and checked for filter - sprayed air intake to start bring to WS and temp erratic lifted the tub checked speed sensor - checked body up sensor test ran ok	09/25/2019
54983	Engine hard to start - trans shift fault - no up shift and can not fault engine - started and ran each time - the IAP is lower than spec - no up shift at full throttle machine would up shift only just - changed throttle setting in ET to 10% to 50% throttle that increased engine RPM and ground speed so shifting is normal - blown high pressure oil hose in pit - removed and replaced hose	09/26/2019
54984	Replaced injection actuation pressure solenoid and valve - found and repaired broken solenoid short harness - primed and jump start okay at first but wont start on the second time - removed and checked cleaned the engine speed sensor - Drained fuel water separator checked engine oil pressure - RPM - 700 1200 1600 2000 Reading 700 800 440 470 KPA	09/27/2019
54985	2 way no external speaker - engine had a fault code present (intermittent) - Fitted UHF external speaker - plugged in CAT ET - high injector actuation pressure intermittent - came up x 3 - sent to work for now	10/01/2019
54986	Checked and perform injection actuation pressure test - Checked in alt pressure control valve - checked wiring and connections - found loose solenoid - re tightened - performed IAP tests - actual injector pressure is acceptable	10/03/2019
54987	Dog bone pin loose and water pump n.w - Dog bone pin loose - installed dog bone and lock bolt	10/04/2019
54988	Found 1 bolt from pit (by operator) for pins 789 water cart - Bolt is for dog bone pin - Fitted pin and replaced missing nut - torque up - Sent back to WS	10/05/2019
54989	Grease line - off side injector - UHF and AC - Steering grease line come off repaired and refit - off side mirror came loose - tightened UHF poor sound - replaced whip all good - AC wire shorted and repaired	10/05/2019
54990	Weld keepers for dog bone pin - Cut out C shaped keepers welded onto machine	10/05/2019
54991	Dog bone pin come out - Found pin pushed tub over and fitted sent to WS - Pump n.w - tyres pos 4-5 wear marks pin hole in diff housing worn bolts in sprays missing and loose	10/06/2019
54992	Water Truck Caterpillar 773D 500hr service	10/06/2019
55005	R&R water pump (Engine)- Removed front housing off water pump - removed fan guard - removed water pump - removed impeller housing out of old pump cleaned all parts and replaced all seals and gaskets - Installed impeller housing in new pump get transfer pump - installed water pump - fit front housing - fit tubes and fan guard - filled with coolant and test ok - Lower radiator tube had hole boilermaker repaired - checked high idle RPM 2287 / 2285 RPM in TMI (good)	02/27/2020
55195	Fire supp gone off and split air line - Found split air line repaired with joiner - found and repaired hole in burn tube - Found that exhaust clamp had come off causing lines to leak - repaired damaged lines to leak - repaired damaged fitting at fire supp bottle - refilled and charged fire supp	10/10/2019

55196	Finish job on water pump - refit belly plates - ran up and checked over - sent to work	10/10/2019
55197	Pump not pumping - Pulled elbow off from pump to truck and found a bolt and bracket stuck, unblocked and put back together - test and sent back to work	10/10/2019
55198	Water pump n.w - Checked and troubleshoot water pump loosen the hyd motor drivers the water pump - water pump stuck up- missing bolts @ inside the water tank flange pipe (suction line)	10/11/2019
55199	Brake fault - Brakes n.w coming on test drive and the drive to WS - brakes would be good for one press and then would fail - plugged shop air in and checked over fan leaks none found	10/11/2019
55200	Service brake issue - wont hold - Troubleshoot issue found out not much oil from the brake cooling to service brake reservoir reasons why it wont hold the service brake because of lack of oil in the service brake reservoir- Brake cooling line to service brake reservoir is restricted not much oil bypassed	10/11/2019
55201	Removed the wheel end assy and inspection - removed the pos 3 - Removed the final drive assy and strip and checked and inspected - removed the wheel hub assy and planetary gear and ring gear - removed the friction disc and plate - checked the piston - defective parts - Anchor brake worn out / back plate - Friction disc - Plate outer - damaged dis align- weed reseal - seal damaged - cleaned the parts	10/12/2019
55202	Wont shift gears only 1st and reverse - Checked wiring to trans - Repaired green death in wiring - replaced trans speed sensor	10/14/2019
55219	Trans fault - Wont get higher than 3rd gear - elec fault in system - wiggled wires and come good @ shift card - loose pin in plug on trans	11/05/2019
55220	Leaking water pump - drained coolant - pulled out water pump lines and mounts	02/03/2020
55221	Pos 3 wheel end and brake - Fit pos 4 tyre and torqued - filled diff oil - filled pos 3 wheel end - Fit pos 3 tyre and torque - make sure all tyres at correct pressure - bleed brake system - topped up hyd oil - take truck for test drive and use brakes for 45 min - brakes working fine - retorque pos 4 tyre - pos 4 and 3 need re-torque after 3 hours	11/08/2019
55203	Checked AC - Test ac system - Vent temp pulling down to 5 °c	10/16/2019
55204	Re-torque - pos 3 and 4 wheels	10/17/2019
55205	Repaired broken mirror mount- Ground back broken weld on mounted hand rail - tacked back into position - fully welded out - Cleaned welds up and painted - Installed mirror	10/17/2019
55206	Leading wheel end and missing bolts - removed wheel end inspected and cleaned and put back on to torque specs - tightened battery leads - fixed belt adjuster	11/18/2019
55207	Pos 3 wheel and leak - Found 8 missing bolts all other belts, find tight - tighten up with big breaker bar - topped up oil and sent back to WS	10/23/2019
55208	Removed and replaced catwalk - Removed catwalk and extracted 10 broken bolts - welded broken brackets - Fitted the catwalk	10/23/2019
55209	Replaced bolts in spray - repaired RH spray - Checked spray mounts get new bolts removed damaged bolts and fitted new ones - removed RH spray cleaned out blockage - refitted spray	10/26/2019

55210	Engine oil leaks issue - Troubleshoot where leaks come from - Pulled out hyd and fuel pump - leaks on hyd pump drive of fuel pump	10/26/2019
55211	Bolt extraction - Heli pump removed and bolts removed from housing and 4 bolts removed from block	10/28/2019
55212	Machine wont move - Checked hyd level - checked hear if working - refilled hyd oil start and move to safe area - checked and removed busted hose and make hoses and installed the hose	10/28/2019
55213	Engine oil leak issue - Installed hyd pump drive and fuel pump assy - air restriction cleaned up air outer filters - washed machine - oil leak on hyd pump drive (fix oil leaks	10/29/2019
55214	Eng faults - Sorted out the correct sensor to the correct plug in the loom - replaced injector actuation pressure sensor	10/29/2019
55215	Blown hyd hose - Fit new hyd hose fit new clamp - Apply spiral wrap	11/29/2019
55216	Shift gear issue - Operator said - get stuck to 1st not changing speed gear to 2nd and up- Troubleshoot machine found out gear is shifting from 1st to 6 th gear (gear shifting speed is up to 2300 RPM)- No faults on shifting gear	10/30/2019
55217	Fixed fire suppression fault light on low pressure switch - reverse lights n.w - faulty pressure switch - reverse light relay was not pushed all the way into socket	11/04/2019
55218	Faulty retarder valve - Pulled out and installed retarder valve	11/05/2019
55228	Start issue - checked starter motor and related elec components for faults found batteries were moving causing power supply interruptions - sent back to WS - to fab hold down bracket	11/22/2019
55229	Repaired battery box - Fabricated battery holder and installed - replaced neg terminal	11/25/2019
55230	Oil leak @ trans shift card housing - Trans shift card housing mounting bolts had come loose get 6 new orings - removed and replaced mounting face orings - removed and inspected spool orings - replaced twisted one - refitted shift card housing and tensioned bolts to 38 lbft -filled trans with oil and test drive ok - put on go line	11/24/2019
55222	Crack repair on hand rail rear drivers side mirror - Ground back paint ground into crack slightly - welded and painted - re-tightened rear work lights	11/13/2019
55223	Repaired AC issue - Removed and replaced AC compressor - Fixed the earth wiring on AC compressor - E-vac system and regassed freon - welded broken adjuster stud	11/15/2019
55224	Fire Suppression System Service - Water cart 12 Monthly	11/17/2019
55689	Engine wont start - Battery damaged - replaced - test ran all ok	02/16/2020
55225	AC issue - blown AC filter	11/20/2019
55226	Retarder fault - Retarder hold broken - - take to WS and replaced retarder valve - put back on go line and tell prod	11/20/2019
55227	Steering issues - Steering pins dry and creaky - Grease pump n.w sent back to WS for manual greasing	11/22/2019
55231	Park brake issues - Checked and troubleshoot and checked park brake pressure - 0 psi - replaced relief valve and checked pressure 0 psi	11/25/2019

55247	Park brake wont release - Checked and test air supply ok - test park brake valve out put pressure 0 psi - test park brake supply pressure from filter 0 psi - test park brake filter flow pressure flow rate 0 psi	12/16/2019
55248	Water pump hanging and pulley fell off - Picked up pulley on the ground, Installed pump - temp sent to WS	12/17/2019
55249	Brakes locked on - started to check over machine and get put on another job	01/16/2020
55250	Replaced the belt - prestart and checked the oil leak - need to order	02/03/2020
55251	Steering pump leak - Checked leak found loose bolts tightened up bolts and sent to work	02/03/2020
55242	Water spray does not work - checked and troubleshoot @ air system checked air regulator - fire supp leaks	12/10/2019
55243	Water pump not switching on - Found solenoid on control valve to be faulty (green death) - New solenoid on order (Brett) 24 volt 23 mm hole	12/12/2019
55244	Fire suppression leaking on discharge line - Released tank pressure - checked suction level - resealed head - Regassed - reconnect discharge line - checked water sprayer function	12/11/2019
55245	Overheating - Test drive machine - can not get park brake to release - started to diagnose and get put onto another job	12/14/2019
55246	Hyd oil leak - removed hose and make new	12/14/2019
61322	Park brake light flicking while driving (staying on)	03/22/2020
61324	Water pump not working	03/18/2020
61337	Hyd oil contamination - Fire supp went off	03/13/2020
61338	Pos 4 leak	02/24/2020
61339	Water pump n.w - Freed pump and working	02/23/2020
61340	Checked over TC	02/16/2020
61341	Fit breather - Checked oils - Fit battery terminal protectors	02/15/2020
61342	Installed front / rear main seal - Fit fly wheel and tension - TC change	02/15/2020
61343	Battery charge light on	02/14/2020
61325	UHF has no reception	03/17/2020
61327	Tighten ball studs to spec and pin grease all ball joints	03/19/2020
61329	AC and alternator belt came off	03/13/2020
61317	Replaced hyd hose	12/22/2019
61318	Starting issues - fuse loose	03/23/2020
61320	Manually greased pins - grease all grease injectors by removing caps and move hoses out of the way for access with grease gun reinstall caps	03/19/2020
55232	Engine oil leak - Trace engine oil leaks and pulled out the pump line	11/25/2019
55233	Battery light (charging) stays on - Checked alternator belt come off - AC belt come off - installed the belt @ alternator and AC adjusted the tension	11/28/2019

55234	Dipstick repair - Fitted hose with 2 hose clamps to dip stick tube	12/01/2019
55235	Hand rail repairs - weld light pole on - Hand rail cracked around drivers door mirror - Knee rails and upright - weld cracks and fit 3 gussets to strengthen around mirror - weld plate to front and side hand rail to stiffen - weld light pole on to plate on rear of tank pointing down over sprays	12/05/2019
55236	Wont start - Replaced batteries still wont start found loose earth wire on isolator starts	12/05/2019
55237	Head light bracket nearly fell off (missing mounting bolts and nuts) LHS mirror out of alignment - Fix head light bracket and installed bolts and nuts from WS - fix LHS mirror to right alignment	12/05/2019
55238	Fire supp shut down - Checked over truck for fire hazards - low system pressure got over cycle key sent to WS	12/06/2019
55239	Repaired oil leaks - Removed leaking hoses to water pump sprayer - find fittings for the hose - make a hose and fitted to the machine - Secured the hose	12/07/2019
55240	Sprays n.w - Found low hyd oil sent back to WS to top up	12/08/2019
55241	Removed and replaced LH cooler to tank hoses	12/08/2019
61336	Water pump - Unblock sprayers	03/14/2020
61314	Fuel leaks on genset	01/12/2020
61315	Removed and replaced brake cooler hose	02/08/2020
61330	Repaired fan pulley	03/12/2020
61332	set up final drive assy - Installed final drive assy	03/11/2020
61333	Charge of AC	02/22/2020
61334	Removed fan and pulley and belt tensioner	03/11/2020
61335	Finish assembly after scavenge pump change out (Fitment of new scav pump)	03/11/2020
61363	Aircon not cold - Fan speed 4 n.w	05/21/2020
61371	Removed and replaced fan pulley and belt tension clean all parts and fit new pulley	04/21/2020
61372	Brakes dragging (Locking)	03/11/2020
61373	Fit starter relay	06/01/2020
61374	Hyd oil leaks - Hosing to TC inlet relief valve	05/29/2020
61375	AC - Checked with gauges- Vac gas and gas AC	05/24/2020
61376	Park brake not releasing - No release pressure	05/25/2020
61377	Brakes dragging	05/23/2020
61378	Water pump spray issues	06/05/2020
61609	Removed and replaced brake coolant hoses - Removed and replaced door seals	06/07/2020
61643	Water pump not operation correctly	03/12/2020
61929	Checked over fire supp system after being discharged	06/16/2020
61344	Pos 3 wheel end u.s	02/14/2020

61345	Cleaned hyd tank	02/24/2020
61348	Oil leaks @ LHS final drive brake lock on LHS	02/25/2020
61349	Diagnose cause of park brake release - pressure low and brakes dragging	02/17/2020
61364	Diagnose high torque converter temp	05/19/2020
61365	Diagnosed oil leaks and order parts - Pos 2 steering ram leak - Air compressor oil leak	05/18/2020
61350	Engine oil leak -	01/29/2020
61351	UHF radio n.w	04/25/2020
61352	Repaired broken exhaust - Repaired broken gate - Repaired broken hand rails	04/21/2020
61353	AC fault - sent to be regassed	04/20/2020
61354	Machine alarming - Grease pump pod empty	03/30/2020
61355	Hand rail repairs	03/31/2020
61356	Oil leak - Engine breather	03/27/2020
61357	Battery light on	03/26/2020
62234	Repaired bonnet stop so doors open - Repaired emergency gate with new spring bolt - fix passenger window seal	01/18/2020
62638	Oil leak and caught on fire - Need to wash down	06/28/2020
61358	Washed engine and inspected for oil leak	02/03/2020
61359	Strip down water pump and report	02/03/2020
61360	Removed torq converter	01/26/2020
61361	Exhaust tail pipe broken	02/11/2020
61362	AC n.w	04/20/2020
61366	Brakes dragging intermittently Air dryer blocked - replaced - Test machine brakes still dragging - leaked @ air valve for air brake - Replaced - Test run machine ok - Checked all fluid levels ok - Inspected air system - not building up to full cut out pressure each time 14/7/2020 Plugged water spray air control valve (leaking) checked park brake oil pressure - Changed air compressor governor - hand over	05/18/2020
63200	Checked and repaired lights	07/13/2020
61367	Driving through retarder - Inspected and found retarder valve not operating correctly - removed valve and started fitting new valve handed over to day shift	05/18/2020
63290	Secondary retarder issue - Fit new secondary brake - reinstalled all wires hoses and covers - test brakes ok	07/06/2020
63291	Air system fault - Newly fitted air governor does not build up air - Supply air on air tanks and checked for leaks, No pressure holds but brake still drags - Air compression leaks - Magically air con works and starts to build air pressure - Diagnosed Diagnosed un-loader stuck - Swapped governor - No good - Faulty air compressor - Hyd oil has shiny metal in it	07/07/2020
64130	Torque converter overheating	07/14/2020

61368	Water not spraying Removed elbow and inspected impeller	05/18/2020
64795	Trans temp high light on	08/26/2020
61369	Trans overheat	05/17/2020
61370	WATER PUMP REPAIRS Removed pipes from old pump and fit to new - cut flange off tank and bleed to suit pump	05/17/2020
65116	air leak - repaired air leak - replaced windshield washer switch	09/04/2020
65145	Aircon fault- Removed radiator grill - removed hand rail - Removed hand rail - Removed and replaced items - regassed AC - Degas system removed accum removed seized fittings from one way valve look for fittings to make new hoses for accum to compressor vaced down checked for leaks recharged with 1.8kg of gas test ran - washed engine bay - Fit bolt to alternator belt	09/05/2020
65146	Fit new water pump and prestart and add oils	09/07/2020
62220	Repaired front fire ext	01/11/2020
62221	Fit hyd coupler and battery isolator	06/22/2020
62222	Running hot - Checked fan belts and front of motor is covered in oil - removed radiator cap slowly, radiator is processing ok to use	01/26/2020
65324	Failed hyd pump and coupler on back of court - Replaced hyd pump	10/12/2020
62223	Water Truck Caterpillar 773D 1000hr service	01/26/2020
66165	UHF n.w - No power - removed dash cover and checked supply fuse blown	12/06/2020
66884	Fit E-stop switch and diagnose and repaired lights	09/10/2020
62224	Machine overheating / Sent to WS to get radiator washed out	01/20/2020
62225	UHF playing up - Loose terminal	01/29/2020
62226	Eng oil leak - Cleaned the top side of the engine and diagnose the leak- Pull out fuel transfer pump and replaced mount oring - Replaced missing one bolt on fuel transfer pump mounting - Washed the eng and top up steer oil	02/01/2020
67767	NO AC - Checked pressures low side in retard compressor faulty - Recovered gas and removed and replaced compressor, the shed AC system replaced receiver dryer - replaced all orings removed vaced system and regassed - Replaced AC adjuster bolt, adjusted belt, prestart - weld hand rail	11/09/2020
67768	Loss of elec power @ cab - Engine wont crank - Found loose elec cable for negative wire @ isolator	11/10/2020
62227	Damaged water spray pump - Removed damaged pump - removed coupler and pump	01/18/2020
62228	Regas rear struts - checked oil levels - Recharged nitrogen on LH and RH rear struts - Checked all oil levels - Top up hyd oil - Top up eng oil - Reinsert trans harness connector and secured harness	03/04/2020
68205	Repair broken handrail - Cut off broken mounts - find replacement mounts and cut to size - join new mounts to existing hand rail	11/27/2020

68325	Water pump n.w - Checked elec wiring and secure lines - checked hyd pressure and replace filters - reseal solenoid valve and relief valve	12/06/2020
68356	Water pump not working	12/06/2020
62229	Alternator and ac belt had come off	06/04/2020
62230	AC inop - Tighten AC compressor belt and replace both cab filters	12/19/2019
68750	Gear not shifting to high gear	01/02/2021
62231	engine shut down Checked E-stops, fire supp checked over engine	12/21/2019
68889	Replaced alternator	01/05/2021
62232	Pos 3 / 4 wheel end US - Rebuilt wheel end 3/4 wheel end, torqued spindal bolts, plumbed up and fill hyd /diff bleed brakes and fitted pos 4 and torque 18/12/20Clean diff housing and install LH final drive - Clean and flushed diff housing with diesel - Fit LH final drive - replaced hyd filters and cut for inspection 19/12/20Changed oil on RH final drive and inflated pos 3 tyre and drive for 30 min - retorque pos 3 and fit pos 4 - Checked park brake pressure 600 psi and topped up steering oil and hyd oil	01/19/2020
69004	Hand rail repairs = Repaired broken hand rails and welded spring on emergency gate fabbed and welded bracing for landing	12/18/2020
69005	Engine cut out - Removed wiring panels in cabInspected wiring and checked fuses - Inspected fire supp wiring and checked all fluid levels - replaced fuse on fire supp circuit - test drive	12/12/2020
69271	Hyd oil leak - @ x hoses had rubbed through	01/05/2021
62233	Broken hand rails.Prestart and filled hyd tank - Weld broken hand rail and washed windows and mirrors	01/17/2020
69420	Water sprayers not working.Removed 4 x spray heads and cleaned - Ran water through pipes to clear any extra dribble out 25/1/21Water pump - Fit water pump and mountings / Ran the machine and checked water pump - sent to WS to replace	01/24/2021
69433	HMU leaking - Clean up work area and tighten up hose fitting and checked for leaks	01/24/2021
69654	auto greasing faultsN.W- Checked auto grease function - Checked grease pump replaced leaking dump valve and replaced leaking and clogged injectors and fill grease tank	01/21/2021
69774	Water sprayers not working.Flashing light on dash - sprays n.w - Test drive and checked fluid levels - inspected pump working	02/02/2021
69920	spray water pump failureRemoved tapper lock and coupler from old water pump fit to new pump used 3/8 bolts and lock tight in tapped lock (no grub screw) filled bearing causing with oil 60 W and fitted breather installed to truck and alined and tighten bolt half filled with water and test ok	02/04/2021
69925	swap scavenge pump and oil from SV189 and fit and fill to WT789	02/03/2021
69927	WATER SPRAYS NOT WORKING Undo all hardware around pump and lift pump on to WS bench	02/04/2021

69929	hoist pump failure- removed pump lines and mounting bolts - installed lifting eye and ready to lift - No spray- Pull out valve then clean inspect relief valve - soldered selector valve spool - start to pull out hoist pump	02/03/2021
69940	Oil leak around torque converter.Cleaned the torque area - Start the machine and checked where the leak came from - its leaking on the fitting of TC valve - fitting was loose - Put thread tape on fitting and fitted back - Fitted TC hose - start the machine and checked over the leak again	02/05/2021
63070	Sprayers not turning on sometimesTest ran machine - Found pump not turning - Manually free up pump - Test ran machine - Pump jammed with sprays blocked	07/08/2020
63182	Brakes dragging intermittently,- Replaced park brake filter - test the machine	08/06/2020
63187	H.M.U LeakingWashed good on HMU area - start the machine and diagnose the oil leak on HMU - leaking on supply pipes - replaced orings on 2 pipes on HMU - run the machine and checked again	07/12/2020
63068	Ball studs - installed steering ball studs	07/08/2020
70392	Engine oil leak- Washed the machine - clean front side of engine - start the machine checked for leaks but no signs - drive the machine at front crank shaft seal and aux drive seal (engine side and drop box side)	02/15/2021
63069	Water sprays not working.Checked solenoid wiring and power supply - Checked pressure - 195 psi low - checked relief valve found rubber particles - checked pressure again ok 9/7/2020Checked toggle switch on water pump sprays pump on and off - Checked hoist pump pressure 1 got 145 psi before and pressure after 350 psi - checked relief valve on water spray - removed relief valve and inspected 10/7/2020Test pressure at valve block 450 psi - Removed and checked clean sprays - Removed and checked and replaced intake pipe - inspected impeller drainer water and wont build pressure over 450 psi 10/7/2020Replaced torque converter oil filter found has checked hoist pump low idler pressure small bronze - checked hoist pump high idle 500 psi + raise tub - Checked pilot lines on hoist pump - Disconnected hoist pump line hose found that has broken pressure plate inside the hoist pump parts ordered 12/7/2020Replaced hoist pump and orings drive to stand pipe filled with water and set relief pressure as low as possible	07/08/2020
63118	pump fault Sprays not going and noise when sprays activated - Inspected noise no hyd oil in tank and top up hyd oil for major oil leak none found - Start and ran checked oil level - start sprays	07/07/2020
70620	Fault in air system. Started machine - Engaged brakes to test for leak - No leak in brake system found valve on air tank 29/7/2020Fault in air system / Prestart and test - Parts here for previous work orders - Repair and defects 28/7/2020Truck not starting (air pressure) - Inspected and found air pressure blowing out of purge valve on air dryer - resealed valve hot pipe for compressor as it was restricting air dryer cartridge - Test drive - Still needs front crank seal replaced 28/7/2020Air leak - Installed new ball valve to air line back of tank	02/20/2021
63235	Water Truck Caterpillar 773D 250hr service (750)	07/28/2020
64640	Removed and strip wheel end - Completed wheel end rebuild Fit pos 5 and torque	08/25/2020

70784	Install Engine C/O	02/22/2021
70828	defects Replaced washer bottle, replaced wiper motor, Replaced AC guard - Replaced HMU unit and replaced switch valve - plumb up washer line	04/10/2018
70840	Seat issue Coolant leaks on heater hose removed and replaced clamps - seat back rest would not move, latch worn cleaned up and move back rest to correct position and ordered new part	02/25/2021
70888	faulty speed sensors Secondary speed sensor faulty, body up sensor (active code) abnormal voltage - park brake dragging - Checked, test and confirm secondary speed sensor is faulty - Replaced both primary and secondary sensors is faulty, replaced both primary and secondary sensors - test machine and condemn body up sensor line (TEMP) test pressure on park brake supply 600 psi - test park brake rear output pressure 600 psi	02/26/2021
70917	Brakes Dragging Air governor and park brake dragging issue - Adjusted air governor to 120 psi, Troubleshoot park brake issue - pressure test air park brake diverter valve for internal leak its ok, Installed back air diverter valve and connections 1/3/21 Pressure test park brake release - replaced air governor valve - topped up hyd oil 2/3/21 Park brake issue - Clean up pressure relief valve and installed and adjusted to pressure to 600 psi - troubleshoot park brake dragging issue - found out air leaks on water spray controller reason it wont hold / release park brake completely - Condemn air line temp just to test machine - Removed trans shift card and replaced it from 189 shift card - installed shift card and test, machine is running well 3/3/21 Brakes dragging - As per hand over - diverter air line supply @ spray direct to the air tank	02/26/2021
70932	Crack repairs- Hyd tank mount - Prep weld joint - weld crack and applied paint to area	03/01/2021
64862	Fire Suppression System Service - Water Truck 6 Monthly	08/27/2020
65089	engine over heating Hyd cooler 101° - Eng out let 101° - Bottom inlet 60° - hyd transferring heat - moved hoist lever - will double check before end of shift	09/03/2020
65177	alternator light on- Test ran checked alternator belt tension, adjusted tension of belt and checked alternator charge	09/07/2020
71288	Engine oil leak- Washed and inspected engine oil leak - crank case breather - checked leak at front	03/06/2021
65270	Fire Suppression System Service - Water Truck 12 Monthly	09/08/2020
71386	Radiator repairs Carry out exhaust and radiator repairs 1/4/21 Repair broken sections of front - removed bolts in engine bay- Fabricated replacement section for front cowl - use welding to remove broken bolts in engine bay 25/3/21 Removed radiator removed wrong fan bracket off truck wrong part - Return truck to WS - replaced front engine mounts	04/02/2021
71737	Faulty batteries starter held in crooked with 2 very loose bolts and replaced missing bolt and tighten all 3 and jump start, still no good and diagnose loose pos stud on solenoid and jump start at starter to get going	04/01/2021

72008	Drive line Refit handrails, front bonnet, fast fill mount, Replaced tail shaft, Fit all removed handrails, covers, bonnet and mounts - removed and replaced tail shaft, Refit belly guards 1/4/21 Carried out radiator and exh repairs - topped up radiator and test - replaced tail shaft and worn unis	03/26/2021
72240	Grease line broken (fitting)- RHS inner ball stud had a broken fitting replaced fitting and rejoined grease line	04/02/2021
65314	UHF not changing channels - Repalced	09/11/2020
72326	engine oil leak from HUE area - Disconnected and marked hoses and wiring removed HUE pump and mounting adaptor changed over gear drive on front of adaptor mount - look for remaining orings and parts - cleaned hoses and capped 28/9/2020 Fitted drive gear to HUE pump drive and front cover replaced orings on fittings and fitted pump primed pump connected wiring tyr to start 29/9/2020 No start - dash lights n.w - Checked parameters using ET had everything it needs to start removed front cover and inspected timing marks - readjusted timing and reassembled start and ok - Play in fan tensioner and tensioner pivot bush 29/9/2020 Engine cranks but wont start - refilled eng oil - Bleed fuel system - Checked fuel pressure ok, Cranking pressure @ 45 - 60 psi - checked fuel pressure regulator ok, Replaced 2 pcs battery - chceked fuel sensors all ok	12/08/2021
65572	engine starting fault Jump start the machine - checked harness of engine - Checked speed sensor 6/4/21 Eng fault fuel issue erratic- Checked tension on gear bolts hell drive ok, refit cover - Refit new speed sensor with fabricated shims - washed engine and checked for leaks - test ran machine 5/4/21 Started after a brake down - nursed it to WS and replaced fuel filter - test - repaired RH front light where it was clamped down and rubbing on belt - fuel pressure 50 psi looked over wiring cant find the fault handed over	09/26/2020
72320	Grease system not working Checked grease pump not working look for parts available removed faulty grease pump installed new grease pump installed all lines connection - test working	04/02/2021
72520	Engine oil leak. Replaced orings on LH engine breathers - drive the machine back to WS from prod, washed the machine - Replaced brake cooling hose on top of A-frame - Tightened start motor mounting bolts - Secured with p-clamps the brake hose on RHRS - top up hyd oil 22/10/2020 Hook up pressure washed and go to go line - washed excess oil around breather mounts and checked exhaust and turbo areas - removed all 3 engine breathers and removed mounting orings - replaced orings - fit RHS breather - hand job over 23/10/2020 Removed and replaced oring and clamp of front left hand engine sump breather - removed LH turbo lag and check for oil leaks ok, Washed the machine ok, road test and removed and replaced faulty beacon	04/09/2021

66908	engine over heating - Checked coolant level - checked coolant flow sensor - opened radiator flow sensor - opened rad cap to cool down 1/11/2020Engine overheating - Pressure wash radiator test drive machine over heating checked test regulator housing to high, look parts drain coolant removed left and right regulator replaced new regulator and gasket - Refilled coolant and test ok 2/11/2020Resealed control valve on front of hyd tank - clean top of engine were oil markings are - look for parts for mounting support - Jack up engine removed cap and eng rear support - replaced damage engine mount and installed new mount tighten bottle and installed cover for drive shaft and aux shaft	10/22/2020
67218	Beacon on rear n.w - replace beacon	11/01/2020
72893	defect repairsRepairs and inspect for leaks - Refitted grease lines / body sensor assy - inspected filter housing for leaks and removed and replaced oring in engine	03/09/2023
67300	A-frame movement measurement - Grease system fault - Checked A-frame movement roughly 15-20 mm - A-frame has excessive movement (ordered parts)- Checked grease system - pump ok- Refilled grease tank, Fitted overflow hose - Manually grease pins - LHS steering link arm ball stud bearing broken - Replaced ball stud bearing - test ran machine 23/11/2020A-frame - Remove hyd lines, pipes, clamps under A-frame - Discharge rear struts- Loosen A-frame bolts and drain trans oil 24/11/2020Removal of A-frame - Removed lines, hyd, elec, grease, brackets, marked lines, set up for removal, JHA, tool set up 25/11/2020Replaced A-frame bearing - Removed dogbone - Removed bolts from drive shaft - Removed hoses to offside hoist cylinder - Pumped brakes up and dragged axle back - Needs new drive shaft bolts 26/11/2020A-Frame issue - Tension A-frame bolts, tension drive shaft bolts, plumbed up hoses, welded dog bone bracket, refilled hyd oil and trans oil, removed jack stands - bolts tensioned by spec	11/02/2020
68203	Repair emergency gate latch - Repair broken handrail - Use pin and spring from old gate latch to repair latch on truck - Repair broken hand rail on access ladder	11/17/2020
68204	Air leak - Found pinched hose removed and make new one and fit - good to go	11/29/2020
73127	broken beacon - refit beacon on front of machine - notice FRH suspension cylinder was full compressed - take to WS and checked gas it was 420 psi	04/25/2021
73393	Water sprayers not working.Sprinklers don't work - Repair machine defects - Repair sprinkler spray	04/26/2021
68360	RHS door issue (water goes in to the door)Checked door seal no good - ordered new 7/5/21Fixed door issue put some seal on RHS fixed grease leaking due to broken fitting - fixed mudguard and weld cracked mudguard	12/08/2020
73572	UHF speaker not working. - Replaced	05/05/2021
68457	Water Truck Caterpillar 773D 250hr service (SERVICE MISSED CLOSED TO CREATE 1500 HR)	12/12/2020
68865	Aircon faultRemoved AC filter would have replaced it had no stock - checked fan speed switch	02/09/2021
68898	proximity system install - Start	01/08/2021

69385	Brakes dragging.Replaced brake filter and clean oil with kidney loop and cleaned up hyd tank	01/23/2021
69983	Elec repairs - Replaced reverse light relay and ignition behind cab and repair wiring to RHS indicator, Reconnected fan speed 4 to switch - find good tub to replaced LHS 14/2/21Repaired and secured tank lights and spray control valve wiring	02/06/2021
70400	Grease line at rear strut Fixed broken grease line in rear strut	02/12/2021
74242	a/c inop Checked gas pressure and find loose pins in pressure switch plug and replaced pressure switch pigtail and test AC	05/23/2021
74262	Oil leakSteering oil leak - Removed front cover HMU main connection pipe disconnected installed seal tighten pipe connection wait for services truck refilled test machine ok no leaking fixed engine breather leaking	05/23/2021
70442	air compressor failure- Inspected oil leak and no air - Drained water out of tank and lift tub 8/2/21Air pressure wont build - Resealed purge valve - Replaced air dryer cartridge - found air governor not connected right, fixed - Test ok /Air compressor - Removed hose connection of damage air compressor, removed air compressor work for new seal - installed air compressor come out of 189 service truck and installed new seal and hose connection - turn machine to fit gear test no leak	02/16/2021
69999	hydraulic motor fault on spray pumpUsing oil diagnose	02/07/2021
70653	Hydraulic oil leaksHose for tans on cooler blown, Make new hose and cut hose down 3 times to get correct length, crimp 20° and then install hose and orientate the 90° and mark - make hose complete and installed hose and two orings - topped up oil - start and ran - Oil leak, diagnose leaking hose and wash area around hose ends, chase up another hose - removed hose	02/21/2021
74574	Replaced fire ext	06/01/2021
75370	Water Truck Caterpillar 773D 500hr service (1500)	06/21/2021
70156	Removed pos 3	02/11/2021
75851	tyre repair - Pos 1 , 2 and 3 tyres	07/02/2021
75931	Tires POS 1 & 2 change -out	07/07/2021
75971	Hydraulic oil leak.Had hose made and fit hose topped up hyd oil and ran machine all ok	07/09/2021

70226	Driving through brakes Oil leaks and no brakes- Removed blown hose on water pump motor - Grabbed fittings and hose from snapper and fab - installed hose and secured lines- Bleed service brake system found out not building pressure on service system - Troubleshoot service brake system found out pos 4 brake group has internal leaks, clean up pos 4 tyre and wheel hub assy prior for wheel group removal and washed wheel group pos 4 - Park machine ready for tyre pos 5 and 6 removal 23/2/21Rear RHS wheel end repairs- Removed and cleaned the components @ brake - replaced brake seals 24/2/21Tension remaining bolts on final drive as per handover - Fit pos 4 final drive and plumbed up and refilled oil in diff and pos 4 final drive - Fit pos 5 tyre and re-torque fit pos 4 tyre plumbed up air and tensioned - topped up hyd oil - fixed oil leak at HMU pipe - fixed LH rear engine breather and removed RHS fan guard	02/10/2021
70693	Sprayers not workingRemoved LH spray hat - removed rocks and tapped bolt holes as threads where pulled - Weld up hand rails on front stairs	02/22/2021
76681	Water Truck Caterpillar 773D 2000hr service	07/31/2021
76779	Articulated Water Truck Caterpillar 740 250 hr service (1750)	10/29/2021
71123	Fire Suppression System Service - Water Cart 6 Monthly	08/03/2021
78205	Air system check over and oil leaksAir leak - Checked air, fitted air hose cut air hose and fit, Connected and chased air leak	10/08/2021
71228	Loss of engine powerEngine fuel system issue, engine oil leak - Replaced fuel filter, bleed fuel system carried out troubleshoot, robbed speed sensor and installed in machine fixed oil leak in rocker cover in LH bank of engine rear	03/07/2021
71276	Engine fan hub failPrint proc, removed front cover and side panel, move fire supp line and rad cap, removed radiator and removed damaged hub and installed fan hub assy from 189 service truck 17/3/21Rebuild fan hub, Try to fit 2 nd hand rad assy but no good 30/3/21Installed grease line, installed shrouder and fan guard fabricated negative cable going to isolator 31/3/21Radiator repair- Installed RH top radiator connection - reused gasket bottom radiator connection connected	03/08/2021
71334	AC not coldChecked gas pressure low, Found and repaired leak on discharge line - topped up gas - cleaned cabin filter and repaired rear work lights	03/09/2021
72507	loose panelLHS rubber guard broken - Removed remaining part of guard	04/09/2021
72539	Oil leaks	04/11/2021
72759	uhf poor reception Find antenna had a join outside cab switch was full of corrosion - Cut out join and ran lead all the way to UHF - - Test ext speaker	04/15/2021
73050	Cracked handrail on ladder- Repaired emergency ladder & rubbers	04/23/2021
78375	Exhaust repair & eng oil leak repair	01/16/2022
78377	Start issue.- Removed sensors and checked both ends looks ok, Insert sensors - try to start - Needs jump start	01/19/2022

72790	Alternator light on dash Batt light on - Replaced alternator 27/4/21 Batt light came on - Checked alternator found wire came off the truck of alternator removed old fitting and replaced with new eyelet	03/23/2022
73093	FM radio not working- Replaced	04/26/2021
78455	Sprayers inop Inspected control switch bench test magnetic solenoid found solenoid to have failed replaced solenoid test all ok	09/14/2021
73094	broken hand rail Prep, grind, full weld and sent to work	04/26/2021
73419	Air leak At back of cab	04/30/2021
79710	Sprayers inop Look for solenoid at GNK and look through wrecks at GNK and drive to snapper and look through store and look through wrecks and found good second hand solenoid on 816 and take to GNK and refit solenoid valve block and fit solenoid and replaced solenoid plug and test sprays / Inspected and trace the problem	10/20/2021
73644	Articulated Water Truck Caterpillar 740 2250 hr service	05/07/2021
79948	faulty uhf - Replaced voltage reducer and test	10/29/2021
80024	broken muffler ext pipe - replace	11/02/2021
80068	LH outer Water sprayer not working correctly Window fault and LHS sprayer n.w - Window wont lift, removed door card and fit window back into runner - checked operation ok, LHS removed and stripped found rocks stuck in sprayer and checked operation	03/05/2023
73673	Oil leak Installed brake return hose from pipe to tank and installed orings x 2 - Installed hold down clamps - checked oil levels, Struts low on pow 1 gas up to 255mm as same as pos 2 - Topped up oil in hyd tank	05/08/2021
73963	Grease system issue Fixed grease line leak and secured grease line and wiring - tighten grease line	05/15/2021
74179	Machine vibrates when in Fifth gear Solenoid test, cut and test, Checked drive shaft and fan drive operation - no 5 inj solenoid is not clicking but the valve in cat et was ok 22/5/21 Checked main drive shaft and checked engine mount	06/01/2021
74216	Grease leaks at the Pot Prestart , Checked engine oil and checked components - checked hyd and trans oil	05/27/2021
74279	Replace window regulator Done	06/24/2021
74445	Rotation, removed pos 1 and 2 - swapped over and torque	05/28/2021
74568	Starting issue Bleed fuel system _ take to WSS	05/21/2021
75700	LHS window not working Fell down - Removed and reassemble	07/02/2021
76036	Door window issue - Removed door card and found channel had come off the bottom of the glass	07/11/2021
76385	Not Starting - Jump start	07/24/2021
80896	throttle stuck on - Spring @ throttle pedal stuck	12/06/2021
80955	low hyd oil Top up	12/11/2021
77351	Prestart fault : Water leaking constantly through the pump (RHS below RH tub ram)	08/17/2021

81252	Prestart fault : Drivers door hard to open - Installed new handle and test ok	01/29/2022
81253	Prestart fault Tank pins need replacing	01/17/2022
81302	Water pump leaking.Sprays n.w / Switch wiring loose - Tighten up screws ok, working well now Pump bearing and shaft worn, Found other pumps and get parts to make one pump, Had new bearing and fitted them and assembled pump and greased - Installed water pump 21/12/2021	11/25/2022
81371	Water Truck Caterpillar 773D 500hr service (2500) / S & D	01/06/2022
81412	Sprays not working - Found wires and terminals rusted away - Cut out old rust and welt away rubber to solder back in	03/09/2022
81606	Prestart fault : Passenger window keeps falling down - No fault	01/08/2022
81665	Prestart fault : Top LH rear brake light n.w - Removed and replaced light	01/17/2022
81688	Prestart fault : Bottom RHS pane; in cab rusty and engine noise coming through into cab	01/17/2022
81689	Charge fault- Checked batt voltage - Checked alternator belt and wiring	11/27/2022
81838	Water tank ladder repairs- Refit top water tank ladder	01/16/2022
81839	Exhaust bracket snapped- Fab and repaired exh bracket	01/16/2022
81840	Prestart fault : Two way is very hard to hear - All ok loud and clear	01/16/2022
81873	Oil leak.- Removed pump - replaced oring from fuel transfer pump - replaced engine oil pressure sensor	01/17/2022
81876	Fire suppression system service - Water Trucks 12 monthly	01/19/2022
81895	Faulty grease pump- Removed and refit pump	01/18/2022
81948	Engine oil leak (from top of Engine)-	01/20/2022
78372	Work lights missing.- Fabled brackets and installed	01/27/2022
82101	steering column excessively worn- Removed and rebuilt and fit steering column	01/26/2022
82119	coolant pipe repair - Removed and replaced and fit LHS top coolant pipe	01/28/2022
82120	leaking spray pump- Resealed old pump	01/17/2022
82472	Inspected found loose fitting on air tank nipped up fitting tested all ok	02/07/2022
82492	Handrails broken Welding repairs	02/08/2022
79282	Driver's door hard to open, RHS Window Wont close properly	10/08/2021
80605	oil leak from fitting at water pump, removed fitting and had boily repair it, refitted all ok	11/24/2021
82617	fire suppression accidental discharge - Pressurized and leak tested - Inspected	02/12/2022
82867	steering faults - movement in ball studs - leak at steering pump - Replaced steering line and refilled hyd oil	02/23/2022
80108	Fire Suppression Pressure Low- Leak test system found leak in one of the activation hoses - replaced hose with new on - Recharged system	01/21/2022
83007	No reverse - Shift fault - Replaced shift card, test drive up shift solenoid current below normal fit second hand solenoid and test drive	03/02/2022

83019	Transmission shift issue / No 2nd gear	03/04/2022
79814	air filter restriction Both filter heavily restricted - replaced both filters	10/25/2021
83146	grease pump not working - Replaced grease pump and checked operation	03/06/2022
83152	replace ball stud l/h side repair water pump and motor - Diagnosed repaired solenoid wiring	03/07/2022
83181	Carry out final checks before sending to work	03/11/2022
80114	wont start - Fuel pump not reading correctly - replaced faulty sensor	02/03/2022
83403	Fire Suppression System Service - Water Truck 12 Monthly	03/24/2022
83483	oil leak from rocker cover	04/30/2022
80833	Not Building Air	12/03/2021
80834	Trans shift issue.- Trans fault - Ran machine, not shifting out of 1st an no speedo, checked speed switch wiring found green death repaired	12/03/2021
81165	doors wont open from the outside	12/14/2021
84343	Engine oil leak- Ordered part	05/29/2022
84746	Oil leak.Park brake release supply line to rear wheels rubbed through	07/01/2022
81166	failed spray pump seals (shaft into impeller housing)	01/09/2022
82007	Machine repairs	01/24/2022
87125	remove and replace aux uhf speaker	12/08/2022
87292	Hard steering and shift fault- Steer oil low - service cart topped up	12/20/2022
78963	Trans fault not selecting gears - Found broken wiring - repaired wiring	09/27/2021
81974	fire suppression activation- Make new oil hose, remove burn tube and make new one.- Install tube and replace 4 x orings- Clean out- Inspect seals and check for leaks.- Wash machine and test run - ok	01/22/2022
87394	oil leak defects - Removed hoist pump and fit oring - installed hoist pump and top up oils	01/05/2023
82128	hydraulic hose leaking Replace blown hydraulic hose.	01/29/2022
87534	hui pump hose failure- Installed new hose, test - OK	06/20/2023
87543	Remove all hoses from torque converter and remove tail shaft guard and disconnect tail shaft.- Marked and sealed hoses and connections- Marked and bagged all bolts	01/10/2023
87606	Caterpillar Water Truck 3000 HR Service (789 ONLY)	01/10/2023
87674	air valve relay u/s - replace air relay valve, compressor governor valve and air drier relief valve	12/08/2022
87715	head lights n/w- Checked switch/fuses - OK- Sticky switch found- Fixed and tested - OK	05/28/2023
87781	Loose side mirror- Removed and realigned- Tightened mounting bolts	01/25/2023
87824	rotate pos 1 and 2	01/22/2023
87881	sprays not working - Found melted wires on exhaust and repaired, then cable tied away from exhaust.- Ordered a pneumatic solenoid.- Turned pump shaft with pipe wrench and freed it from something causing it to jam up.	01/31/2023
87978	eng. oil leak, crimp leaking air line	02/07/2023

88148	wont build air - Replace air compressor and air pressure regulator	02/19/2023
88182	oil leak on engine - Replace orings, top up engine oil.	03/05/2023
88226	Engine shutdown fault - repair electrical fault on external toggle shut down switch, remove and replace air filters	02/20/2023
88458	Fire Suppression System Pressure Lowfound leaking hose from cylinder to manifold on front panelreplaced hose refil system with solution recharge and test ok	03/09/2023
82207	Trans fault - removed and replaced upshift solenoid	02/01/2022
88801	Fire suppression system service - Water Trucks 6 monthly	03/20/2023
89353	Remove failed wheel bearing strut POS 2 - make new brake line and install	05/24/2023
89377	engine wont start - jump start - found faulty alternator	05/25/2023
89380	Leaking Heui pump- Replaced gasket	09/15/2023
82254	diagnose and repair engine knock Fit turbo clamp, connect laptop and ran to operating temperature - conducted injector cut out test, cylinder cut out test, saved results.Tried to diagnose suspected knock by cutting out cylinders, couldn't really tell.	01/21/2022
89648	brake temp fault- Checked brake drag - can not fault	06/28/2023
82380	starting issue - found u/s battery - replaced with new - battery light staying on	02/05/2022
90547	water spray pump not working removed and clean elec valve refit and test replaced sprayer pump, re-seal sprayer control valve, Check sprayer harness, wash machine pre start checks	01/15/2024
82547	top up hyd oil	02/09/2022
90732	Fire suppression system service - Water Trucks 12 monthly	02/10/2024
90823	engine oil leak, Tighten heui pump base plate	03/05/2024
82550	engine warning light on - Engine speed sensor fault - Diagnose new engine speed sensor failed - Fit another sensor and shim out to not hit gear - test	02/11/2022
82499	replace trans Pump fit reman pump and lock up clutch	02/09/2022
82671	starting issue- Reconnected trans speed sensor - Refit AC air filter	12/08/2022
82912	park brake fault- Remove and replaced brake filter - removed and cleaned park brake relief valve	02/25/2022
82915	ran out of fuel	02/25/2022
83138	air leak at regulator - Removed and replaced air regulator - fitted new fittings	03/05/2022
83145	wont start (solenoid U/S) - replace engine valve solenoid, replace front brake cylinder	03/06/2022
89394	Drivers Window Winder Faulty - Removed and replaced	05/27/2023
83598	A/C not working - Replaced missing AC belt	04/03/2022
83724	engine repairs	04/17/2022
84778	Fire Suppression System Service - Watercart 6 Monthly	10/16/2022
85615	taken scavenge pump and put in 189 sv- Cleaned surfaces, replaced all o-rings, torqued to spec	09/14/2022

87409	front brake roto chamber failure - replace front brake cylinder	01/09/2023
89391	prestart check Pre-started, ran up, checked for leaks. Checked (illegible), front RHS inner N/W replaced.	05/27/2023
89768	top up hydraulic oil	07/12/2023
90595	lost air - locked brakes - found hole in air tank - bypassed to move off access road - parts ordered Air tank removed and replaced, reconnected all hoses	01/23/2024