

<u>SV 0201</u>		Current Hours : 23234	
SN : 7ER00206		CATERPILLAR	
Components	Component SMR	Hours Changed	Date Changed
Radiator	23234		
Engine	23234		
Torque Converter	230	23004	11/08/2021
Transmission	23234		
Differential Rear	23234		
Wheel End/Brakes Front LHS	23234		
Wheel End/Brakes Front RHS	23234		
Wheel End/Brakes Rear LHS	23234		
Wheel End/Brakes Rear RHS	23234		
Suspension Front LHS	23234		
Suspension Front RHS	23234		
Suspension Rear LHS	23234		
Suspension Rear RHS	23234		
Steer Cylinder LHS	23234		
Steer Cylinder RHS	23234		
Hoist Cylinder LHS	23234		
Hoist Cylinder RHS	23234		
Fuel Pump	6898	16336	06/24/2020
Water Pump	23234		
Hyd Pump	23234		
Alternator	23234		
Injector Pump	2619	20615	04/25/2021

Work Order	Description	Date
60244	Diagnose engine start issue	02/25/2020
60245	Repair brake booster,Fix air compressor,Fit new indicator switch	02/26/2020
60246	Swap pos 1 to pos 6,Pos 6 to pos1	03/01/2020
60247	Change bulk fuel filters	03/14/2020
60248	Diagnose airman compressor engine stopped and won't run	02/24/2020
60243	Fit brake booster	02/26/2020
60242	Electric horn installation,To secure battery	02/26/2020
60241	Machine repair & commissioning	05/26/2020
60240	Finish off installation of fire suppression system	02/15/2020
60239	Machine repairs & commissioning	02/16/2020
60238	Oil leaks	02/22/2020
60237	Machine commissioning	02/19/2020
60236	Check commissioning & Rubbed hyd hoses	02/19/2020
60235	Commissioning works	02/19/2020
60234	Hyd linesCheck steering	02/21/2020
60233	Oil and air leaks	02/23/2020
60232	Machine commissioning	02/18/2020
60231	Fire suppression wiring	02/18/2020
60230	Pos 6 U/S	03/09/2020
60443	Service Truck Caterpillar 773 250hr service (awaiting service sheet)	06/10/2020
60980	250 HR service	06/02/2020
61686	Service Truck Caterpillar 773 500hr service - Awaiting service sheet	07/02/2020
62648	Fuel pump @ fuel service stuck up - Replaced 4 fuel filters - removed and replaced fuel pump - Remounted fuel pump some bolts were missing	06/24/2020
62649	Fab stronger hyd pump bracket and fit to truck	06/25/2020
62663	Service Truck Caterpillar 773 250hr service	07/01/2020
62849	Coolant leaks - Cooler leaking (resealed cooler)	07/01/2020
62883	Aircon - replaced fitting on discharge out compressor end - Pressure test	07/03/2020
62884	Replaced mudflap - Fixed broken pump lever Make new holes in old mudflap and fitted - Weld a strong back on broken lever	07/02/2020
63035	Service Truck Caterpillar 773 1000hr service	09/29/2020
60229	Pos 6 blown tyre	03/04/2020

63443	Aircon needs gassing - Flush recharge hose - Add 20 ml gag - Vac and gas 1000 grams	07/16/2020
63635	Replaced starter and starter solenoid - Dig start motor fault	07/15/2020
63636	Changed out batteries due to suspected dud battery - service cart is hard to start - did not make a difference	07/15/2020
63637	Wont pump coolant - Inspected and found pick up shaft not attached to pump - hand over to jeff	07/17/2020
63886	21/7/2020Chase air system through whole system inspecting for check valves all ok removed hyd check valve before slack adjuster disassemble inspect all ok - swapped air lines at roto chambers and fab new hoses - swapped hyd hoses at master cylinder- bleed brakes ran up test retarder test all ok and service brake now has fault - Reassemble covers to machine, washed out engine gully (top) found oil leak from manually shut off rod, washed again and hand over - Failed roto chamber master cylinder Brake faulty - Test ran machine to check where leak on shut off rod on injection pump look for parts - disassemble and clean - assembly and install new seal, gasket and remove lines of roto chamber and master cylinder plug and mark lines and hoses 20/7/2020Removed diverter valve - disassemble one oring failed, replaced and reassemble bleed brakes and test drive still the same '- removed check valve to slack adjuster, disassemble and clean ok installed valve, bleed brakes test drive still issue , air pressure only 95-100 psi - increase air pressure to 120 psi test drive still issues - Do more reading - Possible check valve stick20/7/2020Test drive found retarder circuit intermittent n.w Inspected test air system 100 psi at retarder valve - 90 PSI at roto chamber both service and retarder, cap off slack adjuster and test pressure at adjuster 500 psi (down 150 psi) replaced retarder valve (old valve no fault, was using faulty gauge) - Inspected systematic cont troubleshooting - System pressure 110 psi - no air leaks or major oil leaks	07/21/2020
64234	Jolting when operating - Inspected machine visually ok, test drive - found park brake,locking on at times progressively gets worse hand over to dale	07/30/2020
60228	Engine stop solenoid not working	03/02/2020
60227	No power to fire suppression module	03/06/2020
66173	Service Truck Caterpillar 773 250hr service (1250 HRS)- Service not completed closed to create 2000 HRS Service - MACHINE 1643 HRS OVERDUE FOR THIS SERVICE	01/06/2021
60226	Wire and fit reverse lights,Wire reverse signal to reverse camera	02/21/2020
60225	Fuel pump refill not working	03/07/2020
66924	Fuel system stalled - Removed and replaced 4 fuel filters	10/13/2020
66925	Repaired broken hinges - Cutting old broken hinges, grind and weld - installed door fab hinges and weld and grind - put new strut	10/15/2020
66926	Fuel pump noisy - Fuel delivery pump making a lot of noise - removed pump and found was U,S - Replaced pump with relief pump test and adjusted relief pressure - rebuild pump that come off it	10/20/2018

67059	Retarder failed - Service on retarder brake rotor chamber and installed to machine and installed chamber lines hose and bleed brake system and test retarder	10/24/2020
67060	Warning lights on dash dull - Checked over switches wiring for brake temp, trans filter coolant temp and air pressure and ordered faulty sensors and checked for bad earth to EMS can not find and need more time to fault find	10/24/2020
67061	Oil leak - fab new hose hyd hoist pump to hyd tank - topped up hyd - Test ran machine and sent back to work	10/25/2020
67062	Speedo inop - not changing gears - Find and repaired broken wire near trans speed sensor	10/25/2020
60224	Fabricate fire suppression bottle mount	02/06/2020
67508	Fit new steer tyres and torque to spec`	11/07/2020
60223	Check fuel screens	04/09/2020
60222	Repair Hinges, bracing hose reel box, door window	04/10/2020
60221	Cut hose of coolant	04/12/2020
55363	Fit air valves, organise hoses and fittings. Start runnings lines - 31/01/2020Work through HYDS for fuel systems - 26/01/2020Run remainders of hoses for fuel systems - 01/02/2020Finish plumbing hyd finish clamping - 03/02/2020	02/03/2020
60249	Repair coolant tank	03/15/2020
68853	Service Truck Caterpillar 773 2000hr service	01/10/2021
68903	starting faultWont crank - start relay smoked up - Broken start feed only getting 5 v to starter - ran new wire - Start relay mount face to power and smoked up replaced and mounted elsewhere 7/1/21Starting fault - Removed starter cleaned off old gasket aligned nose cone fit and connected wiring test but still did not turn over	01/08/2021
60250	Remove and replace stop solenoid	03/15/2020
60251	E-stops not working	03/17/2020
69582	Replaced leaking port for bulk fuel	01/27/2021
60252	Replace seat assembly	05/06/2020
69775	Pos 4 blow out removed and replaced with RO tyre & re-torque	02/01/2021
70153	Fuel plugged at tank to the pump - Cleaned screen between fuel tank and pump - Very blocked	02/09/2021
70488	Engine oil gun leakingReplaced handle	02/15/2021
70618	blown hi pressure fuel hoseBulk fuel hose split, unroll hose turn fuel tap off removed hose and drain diesel out of hose - cut hose to just after hole and split - Crimp new end on after found one installed hose and gun - run and test no leaks now	02/20/2021
60253	Fuel system issue/Quick fill,Note: Hydraulic fuel drive motor bugged (need replacement)	04/30/2020
70974	Warning light at dash on allReplaced warning light panel and test	03/01/2021
71132	Bulk fuel slow Pumping Fuel stalling engine to shut down - Cleaned the in line screen and replaced 4 fuel filters	03/04/2021

71213	Fuel flow is slowRemoved and changed 4 x filters - removed fuel bulk strainer and clean out - Find new oring for plate and install - tighten fuel hose clamps and bolts x 4 - turn fuel tap on	03/06/2021
60254	Service truck bogged	04/29/2020
60255	Repair service truck hinges broken	04/21/2020
60256	Fuel pump issue	04/08/2020
72049	Fuel pump is slowReplaced 4 x fuel filters and cleaned screens	03/27/2021
60257	Repair service truck	04/09/2020
72501	Bulk fuel slow to pump.Replaced fuel filter and checked out filter	04/09/2021
60258	Won't build air past 80psi	03/26/2020
72613	Fan hub failure.Removed fan drive assy and rebuilt - rebuilt tensioner pulley and fitted radiator	04/15/2021
72676	Tronox 3 Yearly Machine Inspection (Sign Off) (Water Trucks / Service trucks)	02/26/2020
60259	Won't release brakes	03/26/2020
60260	Fuel pump N/W	04/03/2020
60261	Replace compressor	03/02/2020
73059	fuel pump leaking - Checked Fit injector removed from 189 Removed fuel pump from # 189 cleaned and replaced seals and orings - removed pump from 201 and installed second hand pump - fit all injectors lines and fuel hoses - secured hoses and rails - washed engine bay - checked engine oil was ok	04/25/2021
73061	Injector lines not clamped correctlyRemoved and replaced eng oil and filter Replaced fuel injector line 4/11/21Start engine and replaced 2 leaking injectors (1 and 11)	11/02/2021
60262	Fuel slow won't pump fuel	03/31/2020
69343	Engine stallingLow idle fault - Checked and cleaned air filters (engine) - Adjusted RPM to 750 on low idle and test ok - Sent back to work	01/19/2021
73748	slow bulk fuel deliveryChanged out first 2 bulk filters -	05/10/2021
74152	Coolant leak.Cont removing coolant lines clean and replaced gasket and seal installed back line, topped up coolant, leaking and oil leak do parts order for machine	05/22/2021
74172	WELDING REPAIRSRepaired broken bolt in hyd activation link - Cut out broken bolt - replaced bolt with new one - repaired loose fitting for filler hose	05/19/2021
69517	Flat tyre pos 4 = Set up stand and reverse air pressure, removed pos 3 tyre - replaced 1 seal oring on pos 4	01/23/2021
69760	Service Truck Caterpillar 773 250hr service (2250)	05/07/2021
74778	service body bulk fuel delivery pump failure.Remove and rebuild fuel pump	06/08/2021
74859	Service Truck Caterpillar 773 500hr service (2500)	06/26/2021
74946	service body bulk fuel delivery pump failure.Removed screen from tank to pump and replaced pump checked ok	06/12/2021

74966	repair rear doors Weld and repair	06/10/2021
75497	broken dip stick	04/28/2022
75725	POS 6 tire flat - blow out and pos 3 flat tyre - removed and replaced both tyres and torque	07/02/2021
70906	slow pumping fuel	02/26/2021
71389	Fire Suppression System Service - Service Truck 12 Monthly	04/01/2021
76612	Machine got bogged at crayfish GO- line	07/30/2021
76701	ladder step damaged Repaired and replaced rubber on steps	07/30/2021
76739	Oil leaksPulled a hose of 189 fabbed a new hose the same ready to fit to 201	08/02/2021
77164	Wont start.- Jump started	08/12/2021
77221	No start.Replaced 2 batteries / -	08/13/2021
71472	electrical repairs gear shift issues mechanical testingNot changing gears- UHF speaker out - Find and repair broken shift card wiring at A-frame and replaced UHF speaker 12/3/21Brake fault and gearing fault, Checked pressure and adjusted / shimmed valve, replaced orings, replaced hyd filters and torque converter screens, cleaned out shift card terminals, checked operators park brake valve and test drive - brakes ok, faulty gearing changing	03/13/2021
77528	Coolant tank leaking on roof.Removed and refit coolant tank	08/23/2021
77583	Engine oil leak.Pump separated from housing and losing oil fast - Clean up and tighten up bolts - start and run	08/24/2021
77875	Service Truck Caterpillar 773 1000hr service (3000)	09/25/2021
78206	Fire Suppression System Service - Service Cart 6 Monthly	09/27/2021
71674	Fuel RestrictionRemoved fuel strainer and clean up - Removed fuel filters and installed fuel filters, Installed fuel strainer and connections - Test operation on quick fill - 1 min 210 liters	03/17/2021
78362	Bulk fuel not working. - Removed and replaced pump	09/11/2021
78479	Oil leaks Checked oil leaks eng oil reel gauge	09/14/2021
78501	REAR DOOR NOT STAYING UP.Replaced strut on quick fill	09/15/2021
72357	Diagnose fuel dilution in engine oil - Injector pump leaking into timing cover	10/25/2021
72772	Fuel leak engine / Oil leak engine fuel pump/Removed and replaced fuel pump Show Arjay how to time fuel pump	11/02/2021
72775	Electrical repairs in cab.Replaced rear uni joint on trans shaft - repaired leak on trans filter hoses - replaced steering cylinder LHS hose, Repair horn indicator - ordered parts need for repair	04/16/2021
73629	Replace Ball Studs	10/02/2021
63266	Fuel system blocked off - N.w - Removed fuel screen and cleaned up found debris and metal inside - installed back and test ran fuel service system ok - Moved and sent machine back to work	07/14/2020
65110	Fire Suppression System Service - Service vehicle 6 Monthly	09/26/2020

65389	Replaced grease reel hoses jamming - Removed grease hose reel - grab parts on wreck service cart - Installed hose and make new hoses and grease line to correct new hose reel on machine- Drilled new holes for bracket - send and test ran and replaced grease gun	08/30/2020
66485	Hose for bulk fuel delivery broken - Remove hose & drain fuel, inspected hose and found hole, cut hose off past crack, crimp new fitting, install hose and turn on bulk fuel, hose no longer leaking from crimp or hose.	09/17/2020
66486	Fuel leaks on fuel filter (Base to pump) - Removed fuel hose line to filter base to pump, resealed block to filter base (Blown o-ring), test machine (ok), send machine back to work.	09/16/2020
67308	Replaced steering cylinder RHS inner ball stud - Checked and removed steering cylinder RHS inner ball stud found cylinder eye housing worn out - Need to pull out cylinder steering RHS for line bore - Steering cylinder housing eye needs line boring	10/29/2020
79033	exhaust repairsRHS exhaust manifold installed	09/29/2021
79101	Relocate washer pump	10/01/2021
79301	engine mounts u/s Removed and replaced rear mounts	11/06/2021
79392	Steer tyres U/S - Fit new	10/11/2021
79667	defect repairs Make and replaced 3 x hoses - Fit other hoses removed when doing leaks - Fit parts in box - Start diagnosis fuel in engine oil fault	10/20/2021
79712	Hydraulic oil leaks from fuel governor	11/15/2021
80148	Torque converter overhaul	11/04/2021
80595	Truck wont start - Jump start - Replaced batt leads	11/24/2021
67626	Bulk fuel blocked - changed fuel filters and cleaned suction screen	11/09/2020
67627	Serviced SV air compressor	11/10/2020
81525	Fit temporary tyres to move out of workshopFit tyres pos 1 and 2 Removed pos 1 for pos 2 ST 0189 - refit pos 6	01/04/2022
81943	Remove pos 2 - Put on stands	01/17/2022
86820	drop box removed to fit to SV 189 (adam approved)	11/27/2022
67628	Fuel pump slow - Removed fuel strainer - removed fuel filter and replaced, cleaned fuel strainer	11/11/2020
88887	fit engine and components from wreck truck to remobilize - install slew motor out of 300	04/13/2023
68537	Inspection after being bogged.- Elec repairs, removed and replaced the faulty elec horn and flasher relay - repaired warning wiring - diagnosed EMS warning lights stay on - Ordered monitor / Checked for any damage on the machine, checked front strut ok, Fixed oil leak from engine oil cooler to sump and test all ok	12/14/2020
68754	Replace eng oil pod pump - Removed faulty pod pump and replaced newly rebuild	12/19/2020
72605	fan and radiator repairs Removed radiator assy, Ordered parts - removed radiator assy, Fab for pressure test - pressures test 2 nd hand radiator @ 18 psi - relief valve 14/4/21Removed water pump and fan	04/14/2021
73686	Fuel leakReplaced fuel pump busted line	05/06/2021

74484	oil leak.Checked oil leak removed hose and make hose and checked orientation and installed hose	05/27/2021
74686	eng wont start - checked isolator and E stop - checked start system	06/04/2021
75805	Oil Leaks at the Hose reel boxremoved broken fittings on pump reel connection hyd side - weld and installed back fittings - Sent machine	07/04/2021
77377	Replace bulk fuel hose.Due to being too small	08/19/2021
78299	bulk fuel pump locked up - Repaired fuel pump Bulk fuel - Replaced shaft bearing - Replaced seals - Replaced thrust bearings - Replaced mech seals	09/12/2021
78705	bulk fuel pump failed - Removed and replaced	09/17/2021
78928	A/C not working. - Control valve faulty - condenser fan motor faulty - replaced	09/27/2021
78938	Cab repairs.Drilled and marked out seat base to centre seat, installed seat base and installed into cab	10/21/2021
78941	Electrical repairs.Move isolators, Fire supp and fuel tap	09/30/2021
78942	Transmission leaks.Install TC return screen and installed drain plug of trans and hyd tank	10/07/2021
78943	Engine oil leaks.Installed fuel rail bracket - replaced gasket on RHS oil cooler	11/16/2021
78944	Coolant leaks.Replaced top radiator hose	10/01/2021
78934	Hydraulic oil leaksRemoved pumps and open tank and crack test Pulled out steering cylinder - resealed pump drive - installed trans and hoist tank cover	10/02/2021
78945	Check fuel system.- Installed brackets at the fuel lines - replaced orings that are leaking	10/01/2021
80676	Park brake issue- Front RHS brake won't release	11/26/2021
80697	Low engine oil pressure.replace oil filters cut filters found some debris	11/27/2021