

WD 714	Current Hours : 47822		
SN : 7HK00197	CATERPILLAR	T-590	1996

Components	Component SMR	Hours Changed	Date Changed
Transmission	47822		
Engine	47822		
Radiator	47822		
Torque Converter	47822		
LH Steering Cylinder	47822		
RH Steering Cylinder	47822		
LH Blade Lift Cylinder	47822		
RH Blade Lift Cylinder	47822		
LH Tilt Cylinder	47822		
RH Tilt Cylinder	47822		
LHF Final Drive	47822		
RHF Final Drive	47822		
LHR Final Drive	47822		
RHR Final Drive	47822		
Front Diff	47822		
Rear Diff	47822		
Main Pump	47822		
Transmission Pump	47822		

Articulation	47822		
	47822		
	47822		
	47822		

Work Order	Description	Date
48080	12 MONTHLY FIRE SUPPRESSION SYSTEM SERVICE - DOZERS	07/03/2019
48226	Tension all ropes bolts tp 1300 NM - Fix stairs light - replaced LH e-stops - tension trans mount bolts - replaced LH rear light	08/17/2019
48274	Drain and replaced engine oil, replaced oil filters and fuel filters, fit flashing light - weld chain on steps and fit covers to battery terminals and fit battery clamps	07/03/2019
48275	Main mounting bracket and mount and wire up UHF fit plate and attach number sticker to rear,	07/02/2019
48276	Fitted fire ext to cab, washed machine down and found it would not change down traced fault to change down button faulty - ordered new parts	07/04/2019
48277	Broken dash cluster - Zip tie buzzer and wiring loom up use washers to help hold shrouds on reassemble - Broken plastic shrouds	07/22/2019
48278	No AC - Test belt ok , tensioner broken HP switch not connected full of dirt - bridge switch -	08/06/2019
48279	Blade tilt lines around the wrong way, changed around, had to make a new hose	07/05/2019
51479	AC n.w - Replaced compressor - flush system - fit new dryer - washed out evap - re-gassed -	10/25/2019
60287	12 MONTHLY FIRE SUPPRESSION SYSTEM SERVICE - DOZERS	05/26/2020
61089	Fit new batteries	05/30/2020
61737	Safety Audit Repairs	03/02/2021
62540	Snapped bolts RH lift cylinder	06/23/2020
62681	1000 HR SERVICE	07/02/2020
62893	Broken door - Broken mufflers - Door spring was broken fixed - Both mufflers cracked - cut shorter fitted	07/02/2020
63033	Caterpillar Wheel Dozer 854 G 250 hr service	10/22/2020
63866	Wont start - Checked and isolation off again - Checked battery connector ok - checked E-stop found one pressed down on isolation key - start up machine ok - Sent machine back to work	07/20/2020
63868	Replaced step - Fabricated new step - at back of wheel dozer	07/21/2020
64565	At go line wont start - Replaced E -stop with plastic style	08/11/2020
66461	Fire suppression gauge in cabin N/W - Cap-off discharge line & release pressure, Replace the gauge & flush the signal line, charge nitrogen & check for leaks.	09/13/2020
67001	Engine oil leaking - Set up machine in wash bay area - washed and cleaned up machine prior for oil leak repaired machine checked inspected ran machine found out leaks on oil fan gasket area - Tightened all oil pan gasket bolts and apply gasket maker to prevent oil leaking - Test ran machine and checked for leaks its all ok - not leaking	10/20/2020

67002	Clean and flipped cutting edges and replaced worn ones - cleaned up - Changed cutting edge - cut bottom cutting edge - cleaned pain off new cutting edges	10/20/2020
67734	Installed wear plate - Prep materials - Clean up blades - Installed underneath wear plates - Trim long wear plates	11/18/2020
68349	Checked machine no side tilt blade movement - Inspected and fixed E-stop on cab, Checked controller switch and solenoid ok, Removed spool valve found circlip been broken and stuck up - Clean spool valve and resealed - resealed hoses boom removed and fixed head lamp - pre start machine sent machine on CF go line	12/07/2020
69169	AC not cold - Ran AC, has low pressure and degas 1400 grams and nitrogen pressure test at 200 for one hour, no leak and vac and gas 4000 grams and removed back idler for new bearings and hand over	01/15/2021
69578	Wiper n.w - Adjusted lock nut and test	01/26/2021
69948	Engine would not shut downChecked fuses and wiring, power up start down solenoid to turn machine off, No power at shut off solenoid, found circuit faulty, get circuit breaker working all ok	02/09/2021
70004	AC not working blade tilt not workingGot to CF and inspected coolant leak - No coolant leak found - leak is rubbed AC hose and hole in hose causing gas and oil to come out - Sent to GNK WS 9/2/21Find crimp on suction hose leaking and crimp new hose and replaced pressure test and vac and gas	02/06/2021
70101	Air condition not working - Topped up gas - Fixed seat	09/26/2021
70112	Blade Tilting not working properlyRemoved and inspected blade tilt solenoid valve for any dirt and debris - Cleaned valve with brakes cleaner and test ran after installing back solenoid valves - Of blade tilt working properly	02/09/2021
70115	Grease system not workingChecked grease pods wiring connection found no supply - traced wiring harness connection cut off - fixed wire connection and test ran grease system found motor working properly - Checked grease pods found empty and need to refill grease on pod s	02/09/2021
70292	repair auto lube fault Auto lube inop - Found blown fuse inside auto lube timer- probably from testing and replaced fuse and ran machine and no power at solenoids and find pins pulled from lock in deutsch plug - reset pins and test and auto lube runs manually and faults - secured wiring as they need to use it /Replaced 1 x inj manually grease system - removed main feed line and checked operation - elec fault find	02/11/2021
70552	LHS lift cylinder rod end cap loose bolt - missing spacer - reported low power - Removed and installed clean bolts and add two shims - test ram and checked low power	02/17/2021
70570	blade function faultStart and run - wont lift - Turn off machine and inspected oil tank - oil low and can see screen down bottom - top oil and start - Start and all works now	02/19/2021
70909	a/c electrical faultTest and checked AC pressures its ok, Test and checked AC switch selector voltage supply found out no voltage supply - Checked and test fuse its ok, found out fuse holder is faulty no voltage building supply - installed new fuse holder and rewire - test AC operation its working well	02/26/2021

71080	Working lights not workingElec connections - found blown fuse - replaced fuse and checked, inspected for short circuits its all ok	03/02/2021
72048	Coolant leaks alarming, Checked coolant level and coolant leak 28/3/21Pull out cooler liner, Pick up parts in snapper, Replaced cooler line flange and reseal, refilled coolant - retighten coolant level sensor and test ran	03/27/2021
72684	Tronox 3 Yearly Machine Inspection (Sign Off) (DZ)	07/04/2019
70016	Air condition not workingNo gas low side hose rubbed against bracket, replaced hose and cant removed from accumulator, fit a joiner instead, cleaned cabin filters and tighten belt vac test and degreased - inspected ac hose and spiral wrapped and that can rub	02/08/2021
73841	Fire Suppression System Service - Dozer 12 Monthly	08/14/2021
69206	AC hot - Test fan ok, test clutch works good - test gauges on gas levers are good - Start and ran low side falls down past 0 psi into vac, high side blocked and changed out dryer - still no good	01/12/2021
68307	Fault find tilt issue - Carried out fault find, checked fuses, removed hoses from tilt cylinders, found no oil, checked pressures and removed regulator 4/12/2020Hyd issue - tilt and tip n.w - Prestart top up hyd oil and troubleshoot and check pressure @ tilt and tip relief valve 2111 psi (3560++) low	12/01/2020
68306	Blade fault - checked relief valve	12/03/2020
74379	Oil leaks at RHS front hubChecked and inspected oil leak RHS front wheel hub	05/31/2021
67245	Fire Suppression System Service - Wheel Dozer 6 Monthly	11/03/2020
74989	Grease line disconnectedArticulation cylinder line disconnected - replaced fittings	06/14/2021
75125	Wiper blade missing.Replaced	06/17/2021
62878	Caterpillar Wheel Dozer 824 C 1000 hr service	06/24/2020
58589	Checked alternator / Battery light on	04/29/2020
76325	Caterpillar Wheel Dozer 854 G 250 hr service (2250)Service missed closed to make 500 HR	08/31/2021
58588	Wont run - ran out of fuel	04/29/2020
76824	loose bracket on fuel line - Put extra washer and retighten	07/31/2021
77847	pos 2 tyre blown - Removed and replaced	08/31/2021
78549	tilt n/w- Inspected	09/16/2021
58587	Coolant leaking issue	05/06/2020
58586	AC n.w	04/13/2020
58585	Coolant leaking	05/06/2020
58584	Wont start - removed and refit E-stops	03/08/2020
58583	Checked fuel solenoid wont shut down	03/20/2020
58582	Shut off n.w	03/20/2020
58581	Broken radiator cap	04/16/2020

81521	A/C not cold.- Short in wiring - repaired and test	01/11/2022
81537	Hyd oil leaks- Found leaks and tightened bolts	05/16/2022
81912	Air con not working - Engine rubbed on exhaust manifold causing AC power to short shut down circuit not working, gauges, flickering	01/16/2022
53243	Vacuum System and Re gasVacuum system recharged A/C system used 3.2kg of gas Run machinecleaned cab filter (interior & Exterior) Remove A/C Heater Box Re- Seal	12/11/2019
48280	Repair wheel dozer - Checked over - dismantle broken LH rear step - Cutting straight bend area- Cutting old mesh step - Fit up new mesh step - Welding, grinding, install in machine	08/06/2019
82660	Hitch bearing failure .- Removed blade assembly, clean WS area. drained oils and removed steering pins, removed hose and cables and wiring ready to split main artic hitch - removed center drive shaft	02/15/2022
47906	Carry out defect repairs from pre-starts	03/02/2021
68099	Blade drop - test take for drive blade wont drop - Blade only drops when under load	11/29/2020
68098	Lift blade from stands and lower maneuvering corner tip into place and fit 3 bolts lift blade back into stands and tighten bolts	11/25/2020
83291	Caterpillar Wheel Dozer 854 G 250 hr service	02/02/2023
83835	No power to uhf - Inspected and trace	04/23/2022
83849	front lights not working and beacon needs attention - Tripped circuit breaker - swapped ladder lights with LEDs	04/28/2022
68097	Pos 2 leak air hose - Wheel dozer - De-flate to 20 psi and make new hose and fittings and hose - removed old one - fit new one - inflate 45 psi	11/25/2020
83928	UHF power issue / Blade lights n.w -	04/24/2022
68096	Cleaned up bolts and nuts - installed bolts and nut on the cutting edge and both side corner - prestart and fill 10 L	11/25/2020
84208	blade control failed - faulty blade control lift cable - remove and replace blade lift cable	10/23/2022
84241	Repaired beacon light fault - Replaced fuse in dash board - repaired wire connector in relay	05/21/2022
84713	Fire Suppression System Service - Dozer 12 Monthly	09/05/2022
85324	Prestart fault : stereo n/w- Found loose power wire, tighten power wire	08/20/2022
85685	uhf no range and scratchy	09/15/2022
85908	Air con not working - attach gauges - pressures ok - check fan fuses - check fan/ac switch - dismantle heater box and free up sticky fan - test ok	10/13/2022
64957	starting faultFind aftermarket ignition relay in muirhead wiring not energizing and checked for output from module turns on then off - Diagnose and replaced fault relay and tidy up muir head and chubb wiring	08/31/2020
86726	Prestart fault : Needs cutting edges	07/24/2022
49539	AC n.w - Travel to dozer check over AC found low gas top up gas it has low air flow in cab will need to be pulled apart to check over	08/30/2019
73466	Beacon light not working - Wire fell of relay behind dash - repaired	05/03/2021

88381	Missing cabin air filter guard - Replaced missing guard and dirty cabin filter	03/04/2023
74244	Grease system not working Repaired wiring to grease solenoid and reset pressure switch around 2500 psi and replaced Anderson plug	05/23/2021
74465	Lights stays on Isolator off but lights on blade stay on, turn lights off in cab 30/5/21 Resealed head in fire supp - replaced isolator and E stop	05/28/2021
88499	low power blowing black smoke - RHS turbo damaged, made new gaskets and fit	03/16/2023
88791	Park brake alarm and low coolant - top up coolant and hanged park brake switch	04/04/2023
88792	Check trans pack pressures	04/03/2023
88793	Coolant leak on engine oil cooler - fit new gaskets, torque up bolts. Plumb up oil lines for turbo and filter housing	04/08/2023
88854	Loosened RHS push arm cap bolts - Heat seized bolts/nuts, torque up	04/06/2023
88966	Prestart fault : Isolation switch ceased	04/22/2023
89373	RH lift cylinder to blade trunnion bolts swapped - removed broken bolts, clean and fit new bolts	05/22/2023
74093	Caterpillar Wheel Dozer 854 G 2000 hr service	05/17/2021
88629	12 MONTHLY FIRE SUPPRESSION SYSTEM SERVICE - DOZERS	03/29/2023
74260	striped drain plug pos 2 Removed cross threaded drain plug front right wheel, Make tooling to remove plug - removed and make new from fittings all ok	05/22/2021
88651	Caterpillar Wheel Dozer 824 C 1000 hr service	03/30/2023
83855	dash panel loose hitting estop	04/26/2022
84111	beacon n/w- Wire had come off switch	05/15/2022
86471	Prestart fault : A/C fault- Inspect A/C system, no power to A/C pump- Check connectors, corrosion in plug, repair plug- A/C working correctly	11/04/2022
76008	Starting issue Check safety device found faulty - Condemn device and sent back to work - secure e-stop wiring and connection	07/10/2021
76248	wont start Power train fuse cap loose (Fuse box in poor shape needs attention	07/19/2021
76625	machine wont shut down UHF n.w / Pull out shut off solenoid clean and adjusted - test ran	07/30/2021
79012	Caterpillar Wheel Dozer 824 C 500 hr service (2500) Service missed closed to create 3000HR	11/01/2021
79296	Second gear not working - Coil faulty - ordered new	10/07/2021
79823	Electrical fault with lights - Lights stays on after isolating	10/22/2021
79931	Pos 1 tyre u/s - Removed and replaced	10/25/2021
80158	AC checks Replaced cab filter	11/04/2021
80440	UHF not working. Removed and replaced	11/17/2021
81109	AC blowing hot air Checked compressor cutting in, ok Checked pressures found low side to have blocked - replaced drier and all ok	12/13/2021

82155	Broken exhaust bolts at exhaust manifold mounting causing major exhaust leak- Removed exh manifold and turbo heat shield - It has 6 broken bolts on RHS exh manifold	01/31/2022
82384	Fire Suppression System Service - Wheel Dozer 6 Monthly	02/06/2022
87714	engine oil leak at filter - Removed, cleaned and refilled - tested OK	01/24/2023
82902	blinkers not working - Found wiring separated - repaired the wiring	02/24/2022