

GUNNE CIVIL CONSTRUCTIONS

Plant servicing & maintenance history				
Caterpillar 745 - 2016 - Articulated Water Truck				
Serial Number : CAT0745CKLFK00884				
Date	Item	Details	Company	Hours
26-Jun-22	Purchase	Purchase	Coleman Equipment	9775
1-Aug-22	Delivery	Delivery to Swanbank Inspect machine & check over	Coleman Equipment	9775
5-Aug-22	Repairs	Change fuel and air filters Change AC filters Check final drive oils Check battery electrolyte & coolant levels Check & inspect all belts & tension Grease machine	Heaydon Diesel	9975
20-Sep-22	Repairs	Inspect auto greaser and transmission issue Auto greaser unplugged, prime auto lube and inspect blocked valve - Will price valve to replace Check transmission temp with ET, source correct parts for repair.	Heaydon Diesel	9975
28-Oct-22	Maintenance	Replaced door latch Replaced 2 x grease block (customer supplied) and purge system Found the line were full of molly grease, need to get a fitting to force grease through the lines Replace fuel filters on screener.	Heaydon Diesel	9897

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15-Nov-22	Service / Minor Repairs	Change engine oil & filter Change fuel and air filters Change AC filters Drain and change final drive oils Change transmission & hydraulic filters Sample engine, hydraulic and transmission oils and all 6 of final drive oils Check battery electrolyte & coolant levels Check & inspect all belts & tension Reset service reminders Grease machine Test & run Remove door trim, remove old handle, straighten bent striker, fit new door handle and test Remove and purge all grease lines and fill greaser with correct grease Inspect electrical fault with faulty fuel temp sender, test sensor open circuit, order new sensor and install, clear fault code all ok. Carry out routine 500 hour moxy service	Heydon Diesel	9997
13-Mar-23	Service / Minor Repairs	Change engine oil & filter Change fuel and air filters Change AC filters Drain and change final drive oils Sample engine, hydraulic and transmission oils Check battery electrolyte & coolant levels Check & inspect all belts & tension Reset service reminders Grease machine Test & run Remove and reseal right hand steer cylinder Replace all seal with genuine Caterpillar Kit Refit cylinder and test	Heydon Diesel	10497

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28-Feb-24	Service	Carry out routine 1000 hour Moxy service Change engine oil & filter Change fuel and air filters Change AC filters Drain and change final drive oils Change transmission & hydraulic filters Sample engine, hydraulic and transmission oils Check battery electrolyte & coolant levels Check & inspect all belts & tension Reset service reminders Grease machine	Heydon Diesel	10999
6-Mar-24	Service	Replaced wiper motor Wiring to motor Burnt out / ordered new loom Wiper arm spline damaged /ordered new wiper arm assembly Remove old wiper arm and change out with new replacement Test all ok	Heydon Diesel	10946
17-Apr-24	Service	Travel to site, plug into transmission ECM and inspect faults Diagnose cause of transmission fault Remove and replace harness segment on transmission, use all new plugs, harness and pins, Recalibrate transmission Test drive and operate machine all ok. Reinstall all panels and belly plates removed by previous contractor	Heydon Diesel	11176

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22-May-24	Repairs	<p>Drive to site. Put laptop on machine to check codes. Carry out a PSR. Fault code for trans not active. Warm trans up and fault code for sol 3 came active. Inspect wiring and carry out harness integrity test</p> <p>Harness ok, recently replaced</p> <p>Signal wire from ECM to trans sol open. Found harness ok.</p> <p>Sol is open circuit. Drain oil for trans. Order new trans solenoid and parts.</p> <p>Drain trans oil</p> <p>Remove sump</p> <p>Remove and replace solenoid 3</p> <p>Remove and replace solenoid wiring harness in sump</p> <p>Fit sump with new gasket</p> <p>Refit belly plates</p> <p>Fill transmission</p> <p>Run clutch calibration test and check pressures</p> <p>Run transmission fill calibration</p> <p>Test and check over machine</p> <p>All ok</p>	Heydon Diesel	11305
30-Jun-24	Service	<p>Carry out routine 500 hour Moxy service</p> <p>Change engine oil & filter</p> <p>Change fuel and air filters</p> <p>Change AC filters</p> <p>Drain and change final drive oils (No FD on A45's)</p> <p>Sample engine, hydraulic and transmission oils</p> <p>Check battery electrolyte & coolant levels</p> <p>Check & inspect all belts & tension</p> <p>Reset service reminders</p> <p>Grease machine</p> <p>Test & run</p>	Heydon Diesel	11475
17-Oct-24	Repairs	<p>Remove electrical box cover at rear of machine</p> <p>Remove corroded relays x2</p> <p>Mount new waterproof relays higher to avoid further water damage</p> <p>Remove and replace voltage reducer</p> <p>Change wiring to suit new reducer and install Deutch plug</p> <p>Run new wiring and test operation</p>	Heydon Diesel	11735
22-Oct-24	Repairs	<p>Diagnose cause of intermittent fault with water pump</p> <p>Found break in harness connections flex point, carried out wiring repair tested all ok</p>	Heydon Diesel	11736

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15-Jan-25	Repairs	<p>Diagnose cause of shifting problems</p> <p>Plug in laptop and retrieve codes</p> <p>Found code 190-2 engine speed sensor erratic causing transmission unable to know what speed engine is at to shift up or down</p> <p>Remove and replace both engine speed sensors - Parts supplied by Gunne</p>	Heydon Diesel	11838
10-Jun-25	Service	<p>Test and operate machine all ok</p> <p>Carry out routine 1000 hour Moxxy service</p> <p>Change engine oil & filter</p> <p>Change fuel and air filters</p> <p>Change AC filters</p> <p>Drain and change final drive oils</p> <p>Change transmission & hydraulic filters</p> <p>Sample engine, hydraulic and transmission oils</p> <p>Check battery electrolyte & coolant levels</p> <p>Check & inspect all belts & tension</p> <p>Reset service reminders</p> <p>Grease machine (Auto Grease)</p> <p>Test & run</p> <p>Fit new hydraulic filter for cannon at rear of cart</p> <p>Diagnose cause of top canon not spraying</p> <p>Found valve cylinder/ linkage seized</p> <p>Cap off pipe</p> <p>Remove and return to workshop</p> <p>Disassemble valve, linkage and cylinder</p> <p>Clean and recondition all components</p> <p>Strip and reseal cylinder</p> <p>Assemble all components and test</p> <p>All ok</p> <p>Rebuild seats assembly (Customer Supplied parts)</p>	Heydon Diesel	11973

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30-Sep-25	Repairs	<p>24/9/2025 Remove seized pins for cab tilt Were able to hit pins out with chicken bar and hammer</p> <p>25/9/2025 Fault identified in hydraulic temperature sensor. Inspection revealed broken wire between sensor and main plug. Rear pin removed to lift cab; front pin removal unsuccessful. Contacted Steve Bartley for porta power to assist with front pin. Harness made and routed through articulation to reach front. Fault repaired; truck now operating properly. Identified and repaired faulty wiring and hydraulic harness switch Inspect electrical faults</p>	Heydon Diesel	12209
15-Oct-25	Repairs	<p>Find fault with fault codes coming up, speed sensor and temp sensor to be a rubbed harness under cab. Removed a few hoses to gain access. Repaired harness with a semi temp repair. Replaced O-rings and refit hoses. Organized parts to be ordered and handed out at later date. Check turbo hoses and impeller for damage/wear. Test sensor/harness to air intake for irregularities. Refit rear hose reel and adjust reel crank handle for correct fitment. Identify hoses to be replaced and repair harness in situ. Bandaged up harness for testing. After successful test drive, it appears that damage to the harness was likely the cause of electrical issues. Replacement of the main wiring harness is recommended as a long-term fix.</p>	Heydon Diesel	12210
22-Oct-25	Repairs	<p>Reverse camera not working. Had genuine Orlaco camera in truck. Replaced and all ok.</p>	Heydon Diesel	12211
30-Oct-25	Repairs	<p>Unit had no refrigerant, Found blown hose. Made up new hose and fit to unit. Replaced dryer Test system with nitrogen Vac down system Add oil & dye Re gas to OEM spec Test all ok</p>	Heydon Diesel	12230
	Repairs			12265

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17-Dec-25	Repairs	Steering Cylinders Oxy out pins to remove Cylinder Source new pins Reseal steering rod groups Assemble Refit cylinder & rod assemblies Run & test Top Hydraulic Oil Customer supplied seals	Heaydon Diesel	12276
31-Jan-26	Paint and Repairs	QMA - To strip down and wash, sandblast, repair rust and paint CAT A45 Water truck, reassemble including new tread plates and decals	QMA	
26-Feb-26	Repairs	Travel to site (Swanbank old shed) with SEQ Auto Electrical Move machine inside shed Remove pins and raise cab Lower front belly plate Disconnect and remove old wiring harness Fit wear wrap onto new harness in relevant areas Install new wiring harness and connect (Supplied by Gunne) Lower cab and reinstall pins Raise front belly plate Run machine and test No faults	Heaydon Diesel	12278
17-Jun-26	Service	Carry out routine 500 hour Moxy service Change engine oil & filter Change fuel and air filters Change AC filters Drain and change final drive oils (No FD on A45's) Sample engine, hydraulic and transmission oils Check battery electrolyte & coolant levels Check & inspect all belts & tension Reset service reminders Grease machine Test & run	Aidan Austin - Gunne	12428

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