



Plant History

Model: Volvo A25F

Serial No: VCEO2A25FK002053045

Registration No: 76056C

Plant No: WTR48

Date/Hours	Description
03.06.19 11417hrs	ABEN Tech Services – Carry out mag particle testing to all 6 rims on machine. All rims tested OK, and certificate is kept on machine file.
11.06.19 11417hrs 500hr Service	Carried out 500hr service and checked all components as per OEM Specifications.
21.06.19 11417hrs	Machine arrived from Melbourne after having water tank fitted. Check machine over and start BMA Spec.
25.06.19	DMS Fire Services – Carry out repairs to lose fittings and rubbing hoses on fire suppression. Refit non supported ring main hose in left front of engine bay. Spiral wrapped rubbing actuation hoses. Tighten up loose ring main hoses.
04.07.19	Remove both tank mudguards and water pump assembly.
10.08.19	A1 Engineering rewelded comp plates and crack test/ weld tested. Certificates are kept in machine file.
08.07.19 11418hrs	CQ Diesel - Fit exhaust lagging around exhaust pipe.
08.07.19 11418hrs	ACES – Remove old isolators and wiring. Mount and wire up start/battery isolators using full energy double pole isolation and double insulated cable. Mount and wire up 350 Anderson plugs. Mount and wire up park brake alarm. Wire up fire panel and system. Mount and wire up mine radio. Fit and wire up blue beacons x 2.
09.07.19	CQ Diesel – Fit call sign brackets
25.07.19	Butler Fabrication – Modify handrails
29-30.07.19	Butler Fabrication – Modify Moxy step treads and handrails
31.07.19	Butler Fabrication - Extend light posts
31.07.19 11418hrs	CQ Diesel – Fit wheel chocks, mud guards and water pump

01.08.19	CQ Diesel – Reseal pos 6 final drive check and fluids, bolt on top inspection cover
07.08.19	CQ Diesel – Make fire extinguisher brackets. Handrails
08.08.19	Butler Fabrication – new step treads
08.08.19 11419hrs	CQ Diesel – Finish off handrails, modify mirror bracket, tested water cannon / sprays, replace batteries
09.08.19 11420hrs	Fit new battery, fit step extensions, fitted mine compliant call signs, reflective tape full length of vehicle, tested all sprayers, inspected all brake linings and brake tested ok. Full Wash and detail. Pre-hire conducted.
09.08.19 11420hrs	Load Water Truck on transport for Moranbah
15.08.19 11429hrs	CQ Diesel – Load onto float and check for possible leaks.
19.08.19 11441 hrs	CQ Diesel Moranbah – Investigate low coolant level, find header tank relief line blocked with mud. Remove and clean out hose
16.09.19 11591hrs	CQ Diesel Moranbah – Reset service metre and replace RH headlight bulb
24.10.19	CQ Diesel Moranbah – repair hydraulic leak in artic for pump drive, inspect engine noise, replace failed belt tensioner, travel to town to get parts
29.10.19 11979hrs	CQ Diesel Moranbah – investigate pump not engaging. Find u/s toggle switch. Secure loose brackets behind cab
30.10.19 11981hrs	CQ Diesel Moranbah – replace toggle switch
06.11.19 12050hrs	CQ Diesel Moranbah – investigate blue flashlight out
07.11.19 12060hrs 500hr service	CQ Diesel Moranbah – unload machine. Carry out 500hr service
08.11.19 12061hrs	CQ Diesel Moranbah – finish off service. Rear flashing light not working. Fit new one. Exhaust guard hitting fire suppression. Cut piece out of guard. Handrail repairs. Load on float.
16.11.19 12128hrs	CQ Diesel Moranbah – remove and replace broken bolts in handrails
26.11.19 12212hrs	CQ Diesel Moranbah – repair flashing light harness
10.12.19	CQ Diesel Moranbah – replace blown indicator bulb left hand front, drill hole through handrail where nut was stripped out, organise to get bolt from town
15.12.19 12385hrs	CQ Diesel Moranbah – repair corroded wiring for rear beacon.

	Clean rocks and debris from centre spray and adjust
20.12.19 12427hrs	CQ Diesel Moranbah – replace blown headlight bulb. Reset service light indicator. Resecure hitch hoses
03.01.20 12434hrs	CQ Diesel Moranbah – park brake not releasing, diagnose found spool to be sticking in air side, freed up and put back together, repaired wiring to rear blue light, wiring had snapped due to green death cut out and dents plugged
10.01.20 12491hrs	CQ Diesel Moranbah – replace bolts and tighten spray clamps, replace left hand head light bulb
13.01.20 12515hrs	CQ Diesel Moranbah – repair wiring for rear lights, harness had 4 sections that required repairs from corrosion and green death
14.01.20 12517hrs 500hr service	CQ Diesel Moranbah – 500-hour service and repairs. Replace front differential oil due to metal in sample, topped up coolant, 1 fan motor hydraulic hose leaking, remove and replace oring, replace damaged grease nipples, water pump mounts loose, tightened, adjusted washer jet and super glue washer fluid cap back together, repair horn wiring, remove hydraulic pump, reseal mounting, reinstall
15.01.20 12517hrs	CQ Diesel Moranbah – put belly guards up, close bonnet and move out of shed
18.01.20 12534hrs	CQ Diesel Moranbah – rear taillights not working, found broken wire at rear, re-join
19.01.20 12536hrs	CQ Diesel Moranbah – rear taillights not working, wiggled wires and all lights stayed on – could not fault
22.01.20 12555hrs	CQ Diesel Moranbah – fire extinguisher / suppression dates
26.01.20 12576hrs	CQ Diesel Moranbah – investigate no rear lights, wires green death under body
28.01.20 12588hrs	CQ Diesel Moranbah – replace blown head light and park light bulb
06.02.20 12641hrs	CQ Diesel Moranbah – fault about head light not working, all working
10.02.20	CQ Diesel Moranbah – inspect noisy engine bay, diagnose to be failed alternator, go to workshop and pick up alternator, go back to site and reassembly truck, tested and okay
12.02.20 12685hrs	CQ Diesel Moranbah – investigate left-hand side batter spray not turning off, butterfly motor faulty, replace with new one
15.02.20	CQ Diesel Moranbah –inspect front light not working, found working

20.02.20 12744hrs	CQ Diesel Moranbah – investigate oil leak under cab, find hose sitting on exhaust, remove floor and belly guards
21.02.20 12744hrs	CQ Diesel Moranbah – remove hose from machine that run from body, under cab down beside engine to PTO, get new hose made then refit, reassemble flooring and belly plates
22.02.20 12747hrs	CQ Diesel Moranbah – investigate smoke coming from engine bay, oil on exhaust from blown hose, degrease and wash under cab
28.02.20	CQ Diesel Moranbah – re-sling centre hose and electrical loom u
25.03.20	CQ Diesel Moranbah – left-hand side and middle sprays leaking, pulled apart and removed rocks jamming
26.03.20 12969hrs	CQ Diesel Moranbah – gather specs for pressure testing transmission fault
27.03.20 12969hrs	CQ Diesel Moranbah – investigate and diagnose low transmission pressure fault, faulty pressure switch
30.03.20 12990hrs	CQ Diesel Moranbah – reconnect air lines at drop box
18.04.20	CQ Diesel Moranbah – wash remaining bulk mud off on site
20.04.20 13073hrs 1000hr service	CQ Diesel Moranbah – begin 1000-hour service
21.04.20 13073hrs	CQ Diesel Moranbah – continue with 1000-hour service and inspection
22.04.20	CQ Diesel Moranbah – continue with 1000-hour service
23.04.20 13073hrs	CQ Diesel Moranbah – replace all body mount bolts, remove damaged cover, repair and install. Clean around leaking pump mounting, remove and reseal pump mounting
25.04.20 13073hrs	CQ Diesel Moranbah – carry out brake measurements and continue with service
03.05.20	CQ Diesel Moranbah – reseal oil filter housing, run up and check
17.05.20	CQ Diesel Moranbah – replace pos 6 tyre and torque up wheel nuts, check over machine, drain water tank
19.05.20	CQ Diesel Moranbah – load float
28.05.20	Full wash and detail. Pre hire inspection completed. Found engine oil and coolant to be low – topped up.
01.06.20 13075hrs	CQ Diesel – Adjust Park brake, tested and park brake held at 1100rpm. Clean reverse camera. Remove 20L hydraulic oil due to over-full. Topped up coolant, topped up engine oil, remove and

	replace exhaust cover, remove, and replace left-hand side spray valve, tested okay. Charge up low R/H front strut.
28.10.20 13899hrs 1000hr service	REO – carry out 1000-hour service and inspection. Connect tech tool for new software, take matrix reading. Clear codes. Grease drive lines and centre artic. Clean belly guards.
29.10.20	JRT – inspect machine for not starting, check fuses, e-stop fuse has no power, check e-stop relay, relay not being energised, relay faulty. Source high amperage relay, fit part, e-stop circuit relay replaced.
29.10.20 13894hrs	REO – investigate engine not starting. Found relay 13 faulty. Fit new relay and test operation of all e-stops and shutdown and start up – okay.
20.11.20 13964hrs	ADOs Diesel – defects repaired as per JRT defect list
11.12.20 14123hrs	REO – inspect codes on dash. Connect tech tool. Identify codes. All short circuit to high or low voltage. E-stop warning came on when machine shut down. Possibly relay related. Change relay 4 with 12 and 2 with 13. Numerous active codes were current. Swapped 2 back with 12. Refit guard, engine shut down. Found wiring routed incorrectly side loading relay causing bad connection. Burnt contact on relay. Remove guard to identify faulty battery isolator. Refit guard.
18.12.20	REO – remove cover to access isolators. Change out battery isolator and test. Swap relay 13 with 4 and install new relay to 13. Test operations and start up. All functioning correctly.
19.01.21	DMS – fire suppression system had discharged due to actuation hose rubbing on cab of machine. Removed hose from actuator in cab to manifold in battery box. Re-fill bottle with water foam solutions, recharge system, reset fire panel. Radiator header tank was cracked with spilled coolant – fit new tank. Test – okay.
22.01.21 14254hrs	REO – Connect tech tool, only one code present for operator not in seat when park brake is released. No evidence of park brake not releasing issue. Tested Park brake, found could not hold itself on small incline. Adjusted Park brake, shoes seized not retracting, calliper is seized on slides.
27.01.21	REO – remove fire suppression bottle and frame. Remove Park brake cover plate. Found air booster actuator rod unserviceable / broke. Remove Park brake calliper assembly. Refit used calliper provided. Tension mounting bolts after aligning calliper.
28.01.21	REO – adjust park brake travel. Refit all guards and covers. Refit fire suppression bracket and bottle. Tidy up hosing with zip ties. Test Park brake, hold stationery in first up to 950rpm, hold on 20% incline and releases correctly.

09.02.21 14298hrs	REO – look for coolant leak. Found leak in thermostat 3-way joiner. Has rubbed on pipe and is rubbed through. Transmission leak looks to be coming from bell housing. No leak around transmission or filters. Sprays not shutting off fully – required to check seals on butterfly valves.
11.02.21	REO – drain coolant into drums, remove old thermostat. Install new one, set up so cannot be rubbed by hoses. Refill and bleed coolant. Start and test for leaks – none found. Refit belly guard.
12.02.21	REO – remove actuator from leaking sprayer. Found housing oxidized and holding shaft open. Pull 2 x actuators apart to get working. Investigate shutdown fault, found faulty e-stop fault. No volts at SW330S e-stop in dash. Found loose relay in main power board is causing fault and shutdown. Terminal could be loose in board. Works when secured with zip ties.
15.02.21 14344hrs	REO – Air con not cold, found no fan blowing. Removed filters and cleaned evap. Removed cabin console covers and tested motor.
19.02.21	REO – remove pipe clamps and lift evaporator out of box. Release box and remove lid. Remove heater and fan motor. Box has had coolant in tray and has caused motor to fail and seals to come away from box. Tidy box and seals. Refit box, fan, heater and evap. Refit cabin covers. Test fan and aircon. Coolant low in tank.
26.02.21	CQ Diesel – carry out off-hire inspection
01.03.21	CQ Diesel – Carry out off-hire inspection and carry out repairs
05.03.21	REO – disassemble disc brake calliper assembly. Inspect for possible cause of non-function. Sand blast booster parts and paint with zinc black. Reassemble booster with new parts.
06.04.21	Unseize beacon sliding mount and remove beacon. Remove all accessories to remove transmission.
07.04.21	Continue removal of transmission. Remove convertor shield and remove seals and O rings. Replace RH site mirror. Remove middle pan head rod. Remove and replace bushes.
08.04.21	Remove and replace clamps on drop bars, replace and repair hoses and 90-degree fittings, cut off stauff clamp and replace with new one. Fitted convertor shield seals and refitted and tensioned. Replaced steering spool push arm and resealed.
09.04.21	Finish fitting steering spool. Install transmission and start fitting up all accessories. Tension all to spec on installation.
09.04.21	B Inman – fit transmission
12.04.21	ACES – swap out faulty start isolator – test, okay

12.04.21	Finish fitting all accessories around transmission. Remove panelling and air box to replace 4 x cab mounts
13.04.21	Remove and replace all cab mounts and retention. Fit panels and air box back to truck. Fit front floor and bolt up treadle valve and pedal assemblies and steering shaft.
14.04.21	Start assembly of steps, rails, brackets. Replaced all bolts with new ones. Run up transmission and test gears. Check for leaks – all ok.
15.04.21 14361hrs	Press out and die grind remaining front A frame busing. Clean bora and install new A frame bush. Tension to spec. All ok. Remove and replace rear pan hard bushes. Refit pan hard rod to machine.
17.04.21	DMS – carried out refurbishment of fire suppression system. Carried out re-hose due to perished hoses. Change system to QTEC F3 system. Change cylinder due to damaged tank. Change actuators. Fit new cylinder valve. Carried out 12 monthly service.
19.04.21	Sand and paint fire extinguisher bracket and install. Fabricate and drill and fit fire suppression mounting plate and fit bottle and secure. Fit water cannon and run cabling into cab.
19.04.21 500hr service	500hr service oil and filters replaced, replaced wrong coolant, resealed pto pumps and hoses fixed battery box latch, replaced door glass, brake tests replaced brake lights, reverse lights alarm and beacon.
20.04.21	Full wash and detail. pre hire inspection completed. Finish cannon install. Check spring return actuators functional. Replaced 4 x actuators. Rectified steering wheel adjustment and tested steering function. Test ok. Fit seat. Descale tank.
12.04.21	Set up Drying rack hang part and paint part
14.04.21	Pick up handrail from CQDF, sort paint and collect paint step and handrail paint, exchange cover, prime and paint step
15.04.21	Prime, paint for hydraulic control valve paint steps handrails rebuilt top of exhaust dirt silt.
16.04.21	Fix pump prime paint and fit, bug sand prime and paint, exhaust dirt filter. Clean handrail and steps and start to de grease rims and clean up.
07.07.21 14628hrs	ASG Diesel – inspect faulty water pump bearing collapsed seized impeller.
12.07.21	ASG Diesel – fit new water pump test OK.
19.07.21 15173hrs	ASG Diesel– repair had rails remove snapped bolts fit new bolts drill more bolt holes to secure chassis. Refuel.

21.07.21	ASG Diesel – remove hydraulic hose get hose made up.
22.07.21	ASG Diesel - fit hose top up oil test ok.
04.08.21	ASG Diesel – investigate ECM fault, check fuses check wiring from electrical to dash pull dash screen apart to inspect, inspect ecu plug faulty wire in plug.
09.08.21	ASG Diesel – Sort out flat tyre issue.
19.09.21	ASG Diesel – investigate coolant leak
21.09.21	ASG Diesel – remove and replace tranny cooler water pump test ok.
19.10.21 1000hr service	ASG Diesel – carry out 1000-hour service and repairs
02.11.21 15379hrs	ASG Diesel – investigate no cannon. Inspect and check all wiring and plugs. Water in junction box. Cleaned out and re-sealed.
11.11.21	ASG Diesel – inspect A/C playing up. Replace blown LH headlight
13.11.21	ASG Diesel – continue investigate a/c
25.11.21	ASG Diesel – investigate truck not starting
28.11.21	ASG Diesel – grease truck.
27.01.22	Fit steering wheel. Fit new park brake switch, re seal PTO to pumps. Finish wheel end and reassemble, re -fit belly plates. Run up machine and check for leaks - all okay
28.01.22	Place wheels on pos 1,2,3,4,5,6. Tension wheel nuts, refit L/H steer cylinder, checked hydraulic oil.
28.01.22 500hr service	Strip wheels off AT252 and fit up on water cart. Repair R/H side mud guard, reseal LH steering cylinder. Carry out 500hr service.
31.01.22	CQ Diesel – window removal
01.02.22	CQ Diesel – fit panels, fill with water, test sprays. Swap out fire extinguisher mounting brackets. Carry out pre-hire inspection. Investigate cannon fault.
31.05.22	Strip parts from another machine and spec up. Install turbo lagging, cab pressure unit and heat shroud over turbo.
31.05.22	Aces – check spray switch location, re wire all switched and relocate to dash in driver's vision. Extend cables and put on plugs for removal. Removed 2x isolators and relocate to 18v battery box with dual pole. Isolator and start fold down lockout. Found dash illumination not working. Diagnose dimmer switch. Fit new switch

	and testes okay.
01.06.22 15686hrs	Off-hire report, fit exhaust guards, fabricate isolator brackets, move water control panel to suit BMA, change isolation to dual pole, test spray and replace faulty actuator, start fitting up cabin pressurise. Carry and pre-hire inspection, full wash and detail. Fire suppression service. Mount 2 nd fire extinguisher charge right front strut. Fill water tank for function test. Remove and replace damaged stickers, repair air leak on the spray control valves. Assemble left hand guard.
02.06.22	DMS – carries out fire suppression service.
03.06.22	ASG Diesel – fit wheel nut indicators.
16.06.22	ASG Diesel – investigate no pump pressure.
22.06.22 15778hrs	ASG Diesel – inspect low water pump pressure fault.
19.07.22	ASG Diesel - remove and replace hydraulic motor for water pump. Tested OK
29.07. 22	ASG Diesel - investigate hub leaking oil.
28.07.22	ASG Diesel - repaired cannon, was assembled wrong.
30.07.22	ASG Diesel - move tyre and hub. Replaced worn hub seal reassembled torque all bolts and fitted tyre
03.08.22	ASG Diesel - inspect steer fault truck turned by itself, inspect AL fault compressor faulty
10.08.22	ASG Diesel -Beacon switch found unserviceable.
14.08.22	Tighten drop bar clamps.
01.09.22	ASG Diesel - inspect pump fault, low pressure, closed return to tank valve, repair wiring for taillights
07.09.22 16019Hrs 2000Hr Service	ASG Diesel – carry out 2000hr service.
10.10.22	ASG Diesel – repair right hand brake light fault, corroded join on wiring.
15.10.22 16250hrs	Heavy Maintenance – access chip, find machine, attempt to fix but can't access. Requires ewp.
14.12.22 6523hrs 500hr service	Heavy Maintenance – Carry out 500hr service.
06.01.23 16539hrs	Heavy Maintenance – Remove and replace R/H lower mirror.

09.01.23 16539hrs	Heavy Maintenance – Carry out general machine inspection. Check fluids.
01.03.23	ASG Diesel – Reseal and replace bearings on POS 1,3&5. Reseal Pos 3 callipers. Replace brake beads. Bleed brakes and test drive ok.
14.03.23	ASG Diesel - Carry out return hire.
17.03.23 16602hrs	Heavy Maintenance – Repair LH door latch jamming. Refigure all wheel nuts to 500 ft/pound.
22.03.23	Heavy Maintenance – Tighten rear spray clamps. Recheck coolant level. Ok.
28.03.23 11683hrs	ASG Diesel – Investigate leak from POS 2-wheel end.
31.03.23	ASG Diesel – Adjust Park brake and test. Clean out blockages in hose reel and sprays.
05.04.23 16759hrs	Heavy Maintenance – Reseal POS 2 final drive cover.
07.04.23	ASG Diesel – Investigate washer bottle leaking. Water pump popped out of bottle.
17.04.23 16855hrs	ASG Diesel – Set up truck. Remove POS 4 wheel. Strip down and reseal POS 4 hub assembly. Clean parts and put back together. Refit wheel and torque bolts.
18.04.23 16885	Heavy Maintenance – General machine inspection. Check all levels.
24.04.23 16901hrs	ASG Diesel – Investigate cannon not going left to right.
30.04.23 16960hrs	Heavy Maintenance – inspect beacon fault, repair wiring, prepare for service
03.05.23 16980hrs 1000hr Service	ASG Diesel – Carry out and complete 1000hr service and inspection.
12.05.23 17032hrs	Heavy Maintenance – fluid check and machine check over
24.05.23	ASG Diesel – repair beacon fault. Unserviceable wiring.
12.06.23 17172hrs	Heavy Maintenance – clean machine
13.06.23	Heavy Maintenance – carry out off-hire inspection. Clean interior of machine.
21.07.23	Jacks D&M – remove covers and inspect brakes and oil leaks.
26.07.23	LMS – fit exhaust clamp to machine and remove cannon and strip seizes swivel. Greased up and tested. Refitted to machine, test ok.

25.08.23	Repair leaking right hand front final drive cover and check fluid level. Rectify oil leak on pos 5 hub seal. Orange strobe covers fitted, tyres inflated to 60psi all were low. Right hand front strut topped up. Remove backing plates on all wheel ends and inspect brakes. Wash, detail and grease machine. Carry out pre hire inspection. Jacks Diesel and Mechanical – Fit POS 5 final drive assembly. Fill POS 5 final drive and rear axle oil. Inflate POS 5 and 6 tyres. Set up nitrogen charge kit. Charge POS 2 suspension strut. Check all lights and steer cylinders for play.
12.09.23 17260hrs	Leading Mechanical Solutions - Investigate cannon not working. Found stick on faulty limit switch and seized in joints.
27.09.23	LMS – Investigate oil leak at PTO
17.01.24 17528hrs 500hr Service	Carry out and complete 500hr service and inspection as per service sheet.