



ARTICULATED DUMP TRUCK (MOXY) SERVICING SCHEDULE

Date:	<u>22.03.25</u>	Serial No:	
Unit Number:	<u>LR491</u>	Mechanic:	<u>Amanda</u>
Rego Number:		Mechanic:	<u>Franz</u>
Service Type:	<u>250 hr</u>	Serviceman:	
Kilometres:		Operator:	
Hours:	<u>1,817</u>	Spotter:	
		Total Labour Hours:	<u>4.00</u>

INSPECTION SCHEDULE

EVERY SERVICE

The following inspections require having the engine running or machine moving. Use of an operator and spotter may be required.

IN CAB

No.	ACTION	CHECKS	S	US	N/A	Initial
1	Inspect	Door latches & seals, smoke bomb cab (if necessary)	X			FB
2	Inspect	Seat belt for damage, fraying & anchor bolt security	X			FB
3	Check	Seat for correct operation, excessive movement, cover & cushion condition	X			FB
4	Check	Windscreen & other glass in the cab for chips or cracks	X			FB
5	Check	Operation of window winders & door handles	X			FB
6	Check	Operation of air conditioner & heater	X			FB
7	Check	Pedal rubbers are on & in good condition	X			FB
8	Check	For breakdown triangles, condition & complete set	X			FB
9	Check	For a first aid kit, in date & complete	X			FB
10	Check	Operation of ignition & security of key, instrument cluster, warning alarms, warning indicator lights & horn	X			FB
11	Check	Steering column adjustment & security	X			FB
12	Check	Operation of steering wheel (lock to lock), security of the column adjustor	X			FB
13	Check	Secondary steering system for operation	X			FB
14	Check	Park lights, headlights, spot lights, indicators, brake lights, internal cab light, reverse alarm, reverse camera & rotating beacon	X			FB
15	Check	Operation of AM / FM radio & UHF radio	X			FB
16	Check	Operation of E-Stops engine shutdown switch	X			FB
17	Check	Wipers & Washers	X			FB
18	Check	Fire extinguisher for safety ties, gauge in green, rotate a couple of times & tap bottom to release sediment	X			FB

RUNNING CHECKS

No.	ACTION	CHECKS	S	US	N/A	Initial
19	Check	The general driving characteristics of the articulated dump truck	X			FB
20	Check	For excessive exhaust smoke or abnormal noises / vibrations	X			FB
21	Test	Operation of automatic transmission kick down, lock-up & neutral inhibitor switch	X			FB
22	Inspect	Service brake operation / adjustment	X			FB

23	Check	Brake accumulator test (Apply & release service brake pedal and release the service brake pedal for a minimum of three applications, until alert indicator) if indicator doesn't illuminate refer to OEM Manual	X			FB
24	Check	Park brake operation (test on a 10° slope)	X			FB
25	Check	For brake drag	X			FB
26	Check	A" Frame frame bushes for movement	X			FB
27	Check	Oscillating movement & excess movement in pivot shaft of both tandems	X			FB
28	Check	Check for movement in both front and rear torque rod bushes	X			FB
29	Check	The suspension rubbers for cracking or deterioration	X			FB
30	Check	Tipper body pivot pins for movement	X			FB
31	Check	Body lift cylinders pins for movement	X			FB
32	Check	Tailgate pivot bearings for movement	X			FB
33	Check	Steering cylinder bearings for movement	X			FB
34	Check	All wheel bearings for movement	X			FB
35	Check	Using scan tool check for fault codes	X			FB
36	Check	DPF / DET Status & conduct a manual burn if required	X			FB

FRAME & BODY

Park on level ground, Isolate generator, Fit body prop, Relieve all pressures, Start from front right hand side and work clockwise around generator checking each item below

No.	ACTION	CHECKS	S	US	N/A	Initial
37	Check	ROP's for security & integrity	X			AH
38	Check	Bonnet mounts, operation of bonnet tilt struts / locking mechanism	X			AH
39	Check	For external body damage / security of bonnet to main body, Check hinged doors / panels / sliding doors for correct operation & locking	X			AH
40	Check	Rear vision mirrors & brackets for condition & operation	X			AH
41	Inspect	Steering column mounting & universal joints for movement & grease penetration	X			AH
42	Check	Steps & handrails for security	X			AH
43	Check	Mudguards, mudflaps for condition & security	X			AH
44	Check	For metal fatigue in the tow hitch	X			AH
45	Inspect	All hydraulic hoses for signs of rubbing, leaks & deterioration	X			AH
46	Check / Clean	Battery box, mountings, signs of corrosion, terminal security & condition, cables & electrolyte levels	X			AH
47	Inspect	All air lines, valves / fittings for air leaks & chaffing	X			AH
48	Inspect	All grease lines & fittings for damage / security & grease penetration	X			AH
49	Check	Automatic Greaser and fill up if required	X			AH
50	Inspect	Electrical harness / junction boxes for chaffing & dust sealing	X			AH
51	Inspect	Tow hitch / pin	X			AH
52	Check	Ejector rollers for correct operation and movement in the bearings	X			AH
53	Check	Operation of door, pivot points wire rope	X			AH
54	Lubricate	Parking Brake	X			AH
55	Inspect	Oscillating Hitch (adjust) if necessary	X			AH
56	Check	Hazard warning / component location Decals	X			AH

UNDER BONNET / ENGINE BAY

No.	ACTION	CHECKS	S	US	N/A	Initial
57	Inspect	Exhaust manifolds / covers, bolts, turbo, piping for any leaks & security	X			FB
58	Inspect / Tighten	Air induction boxes / hoses / piping / fittings for damage, clamps for tension & presence of dusting	X			FB
59	Inspect	Fuel pump / pipes / hoses / clamps, for leakage & movement	X			FB
60	Inspect	Engine for oil leaks & damaged hoses	X			FB
61	Check	Engine mounts for wear & security	X			FB

62	Check	Water pump "tell tail" for leakage or blockage & check bearing for movement	X			FB
63	Check	Alternator pulley, mountings, bearings & idler pulleys	X			FB
64	Inspect	Air Conditioner compressor pulley, mountings, hose connections for leakage & movement	X			FB
65	Inspect	Fan, alternator, air conditioner belts for cracking / unusual wear	X			FB
66	Inspect	Fan blades for cracks, wear, damage & security	X			FB
67	Check	Radiator mountings, coolant leakage & air flow through radiator (Clean when required)	X			FB
68	Inspect	Coolant, heater hoses, clamps for condition, leaks & tension	X			FB
69	Inspect	Electrical harnesses / connections for damage & security	X			FB
70	Inspect	Engine bay is free of combustible materials i.e. leaves, sticks & rags for prevention of fire hazards	X			FB
71	Clean	Vibration dampener, idler, A/C & alternator pulleys for dust build up	X			FB

POWER TRAIN & AXLES

No.	ACTION	CHECKS										S	US	N/A	Initial
72	Inspect	Transmission & hydraulic pump pipes, hoses, clamps for tension & oil leaks										X			AH
73	Inspect	Transmission & hydraulic pump mountings & security										X			AH
74	Inspect	Transfer Case for leaks										X			AH
75	Inspect	Transfer Case mounts for integrity and security										X			AH
76	Inspect	Drive universal joints for movement & grease penetration										X			AH
77	Inspect	Wheel rims for damage, cracks, missing or loose wheel nuts										X			AH
78	Check	For oil leaks on pivot shafts & wheel ends, damage & cracks										X			AH
79	Inspect	Tyres for damage, tread depth & pressure										X			AH
80	Depth	P2:	13	mm	P4:	14	mm	P6:		mm					
		P1:	14	mm	P3:	14	mm	P5:		mm					
81	Damage	P2:			P4:			P6:							
		P1:			P3:			P5:							
82	Pressure	P2:	70	psi	P4:	70	psi	P6:		psi					
		P1:	70	psi	P3:	70	psi	P5:		psi					

2000 / 2500 HOUR SERVICE

Check / Change & Adjust

No.	ACTION	CHECKS										S	US	N/A	Initial
83		Cylinder 1		Cylinder 2		Cylinder 3		Cylinder 4		Cylinder 5		Cylinder 6			
	Intake														
	Exhaust														
84	Measure	Brake Material Thickness													
		P2:			P4:			P6:							
		P1:			P3:			P5:							
85	Check	Glow Plugs for power & conduct a continuity test on each plug													
86	Check	Using a Coolant Test Strip & compare to chart, change if necessary													

EVERY 3 YEARS

87	Check	Replacement date seat belt					Last Installed Date:								
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LUBRICATION SCHEDULE

EVERY SERVICE

88	Lubricate		All grease points:								AH			
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250 Hour Service

89	SOS	Engine Oil:	FB		FB
90	Change	Engine Oil:	FB		FB
91	Change Filter	Engine Oil:	FB		FB
500 Hour Service					
92	SOS	Hydraulic Oil:		Transmission:	
		Torque Convertor:		Transfer Case:	
		P1 Final Drive:		P2 Final Drive:	
		P3 Final Drive:		P4 Final Drive:	
		P5 Final Drive:		P6 Final Drive:	
93	Change Filters	Engine Oil (Cut/Inspect):		Outer Air Filter:	
		Inner Cab Filter:		Outer Cab Filter:	
		Fuel / Water Separator:		Secondary Fuel:	
		Hydraulic Tank Return:		Hydraulic Impl Control:	
94	Inspect / Change	Secondary Air Filters:		Signs of Dusting Y / N:	
95	Inspect / Clean	Air Cleaner Dust Bowl:		Fuel Tank Cap & Strainer:	
96	Inspect / Clean / Change	Engine Breather:		Tandem Breathers:	
97	Check / Top up	Engine Oil:		Transmission:	
		Hydraulic Oil:		Transfer Case:	
		Coolant:		Differential:	
1000 HOUR SERVICE					
98	SOS	Coolant:		Hydraulic Oil:	
99	Change	Transmission Oil:		Torque Convertor Oil:	
		Transfer Case Oil:			
100	Change Filters	Transmission:		Hydraulic:	
		Transfer Case:			
101	Inspect / Clean	Transmission screen:		Torque Convertor Screen:	
102	Clean or Change	Transmission breather:		Transfer Case Breather	
		All Differential Breathers:		Hydraulic Tank Breather:	
2000 Hour Service					
103	Change	Differential Oil:		Final Drive Oils:	
		Coolant (on SOS):			
5000 Hour Service					
104	Change	ARD Spark Plug:		Diesel Fluid Injector:	
		Exhaust Fluid Filter:			
6000 Hour Service					
105	Change	Hydraulic Oil (on SOS):			
AFTER EVERY SERVICE					
106	Check	All fluid levels & Correct Running operation of Grader			
DEFECTS / COMENTS & PARTS TO BE ORDERED					
	Water hose rubbing on RH wheel guard. Has got a piece of rubber zip tied to hose but had moved due to being loose. Replaced zip ties and made tighter.				
	Recommend to monitor and should perhaps replace with a more permanent				

PRIME MOVER / TRUCK

SERVICING SCHEDULE

Date : 8/07/2025
LR No: LR491
Rego: _____

VIN: CAT0730CT2T400789
KMs/Hours: 2092
Service Type: 500hr

INSPECTION SCHEDULE

The following inspections require having the engine running or machine moving. Use of an operator and spotter may be required.

IN CAB

No.	ACTION	CHECKS	S	US	N/A	Initial
1	Inspect	Door latches & seals	x			ai
2	Check	Operation of window winders & door handles	x			ai
3	Inspect	Seat belt for damage, fraying & anchor bolt security	x			ai
4	Check	Seat for correct operation, excessive movement, cover & cushion condition	x			ai
5	Check	Operation of ignition & security of key, instrument cluster, warning alarms, warning indicator lights & horn	x			ai
6	Check	Windscreen & other glass in the cab for chips or cracks	x			ai
7	Check	Wipers & Washers	x			ai
8	Check	Park lights, headlights, spot lights, indicators, brake lights, internal cab light, reverse camera & rotating beacon	x			ai
9	Check	Operation of AM / FM radio & UHF radio	x			ai
10	Check	Rear view mirrors & brackets for condition & operation	x			ai
11	Check	Operation of steering wheel (lock to lock), security of the column adjustor	x			ai
12	Check	Clutch pedal free play operation & adjustment	x			ai
13	Check	Pedal rubbers are on & in good condition	x			ai
14	Check	For breakdown triangles, condition & complete set	x			ai
15	Check	For a wheel brace & jack			x	ai
16	Check	For a first aid kit, in date & complete	x			ai
17	Check	Operation of E-Stops	x			ai
18	Check	Fire extinguisher for safety ties, gauge in green, rotate a couple of times & tap bottom to release sediment	x			ai

AFTER EVERY SERVICE

No.	ACTION	CHECKS	S	US	N/A	Initial
19	Check	For excessive exhaust smoke or abnormal noises / vibrations	x			ai
20	Check	For excessive time for the air pressure to build up, operation of the gauges & governor kick in	x			ai
21	Test	Operation of automatic transmission kick down, lock-up & neutral inhibitor switch			x	ai
22	Test	Operation of gears, ease of selection of High / Low range & the gear splitter	x			ai
23	Inspect	Service brake operation / adjustment	x			ai
24	Check	Park brake operation (test on a 10° slope)	x			ai
25	Check	For brake drag			x	ai
26	Check	Operation of engine or exhaust brake			x	ai
27	Check	The general driving characteristics of the vehicle	x			ai
28	Check	Operation of the PTO, raise tipper body & check for leaks			x	ai
29	Check	Operation of water sprayers, dribble bar & cannon			x	ai
30	Check	Operation of air conditioner & heater	x			ai
31	Check	Using a scan tool check for fault codes			x	ai
32	Conduct	DPF Status & conduct a manual burn if required			x	ai

FRAME & BODY						
Park on level ground, Isolate generator, Fit body prop, Relieve all pressures, Start from front right hand side and work clockwise around generator checking each item below						
No.	ACTION	CHECKS	S	US	N/A	Initial
33	Check	Cab mounts, operation of cab tilt & locking mechanism	x			fb
34	Check	Bonnet mounts, operation of bonnet tilt struts / locking mechanism	x			fb
35	Check	For external body damage / security of bonnet to main body, check hinges, tanks, turntable & tipper body	x			fb
36	Check	Steps & handrails for integrity & security	x			fb
37	Check	Mudguards, mudflaps for condition & security	x			fb
38	Check	For metal fatigue in chassis rails, cross members & tow hitch frame	x			fb
39	Check	Hoist mounting bolts, pivot pins / hinges & hydraulic hoses	x			fb
40	Check	Check battery box, mountings, terminals, cables & electrolyte levels	x			fb
41	Inspect	All air lines, valves / fittings for air leaks & chaffing	x			fb
42	Inspect	All grease lines for damage / security & grease penetration	x			fb
43	Inspect	Ringfeeder / Turn Table	x			fb
44	Check	Hazard warning / component location Decals	x			fb
45	Inspect	Electrical harnesses / junction boxes for chaffing & dust sealing	x			fb
UNDER BONNET / ENGINE BAY						
No.	ACTION	CHECKS	S	US	N/A	Initial
46	Inspect	Exhaust manifolds / covers, bolts, turbo, piping for any leaks & security	x			fb
47	Inspect / Tighten	Air induction boxes / hoses / piping / fittings for damage & presence of dusting	x			fb
48	Inspect	Fuel pump / pipes / hoses / clamps, for leakage & movement	x			fb
49	Inspect	Engine for oil leaks & damaged hoses	x			fb
50	Check	Engine mounts for wear & security	x			fb
51	Check	Water pump "tell tail" for leakage or blockage	x			fb
52	Check	Alternator pulley, mountings, bearings & idler pulleys	x			fb
53	Check	Air Conditioner compressor pulley, mountings, hose connections for leakage & movement	x			fb
54	Inspect	Fan, alternator, air conditioner belts for condition & tension	x			fb
55	Inspect	Fan blades for cracks, wear, damage & security	x			fb
56	Check	Radiator mountings, coolant leakage & air flow through radiator	x			fb
57	Inspect	Coolant / heater hoses / clamps for condition, leaks & tightness	x			fb
58	Inspect	Power steering box for oil leaks, excessive movement, security of steering column & drag link	x			fb
59	Inspect	Steering column universal joints, slip joint & mountings	x			fb
60	Inspect	Electrical harnesses / connections for damage & security	x			fb
61	Inspect	Engine bay is free of combustible materials i.e. leaves, sticks & rags for prevention of fire hazards	x			fb
X						
Jack up all axles to check wheel bearings, steering linkages & kingpins						
No.	ACTION	CHECKS	S	US	N/A	Initial
62	Check	Front wheel bearings adjust or replace if necessary	x			fb
63	Check	For movement in all kingpins & steering ball joints & linkages, while jacked up grease all points on all kingpins	x			fb
64	Inspect	All shackle pins, bushes, shock absorbers, U Bolts, wear plates for wear, movement & tension	x			fb
65	Inspect	Transmission, PTO for oil leaks, mounts & lubrication of pivot points	x			fb
66	Inspect	Universal joints, slip joints, centre bearings for movement & rubber deterioration	x			fb
67	Inspect	Differentials for oil leaks, excessive movement in input & output shafts	x			fb
68	Check	Torque rod arms, pins, bushes, mounting bolts for & tension	x			ai
69	Check	Rear wheel bearings adjust or replace if necessary			x	ai

70	Inspect	All brake linings, pads for thickness, adjustment & adjust if required													x	ai				
71	Inspect	Brake linings or pads, through inspection hole, check adjustment													x	ai				
72	Check	Operation / wear of S cams & brake boosters													x	ai				
73	Check	Airbags for leaks or damage to cones													x	ai				
74	Inspect	Wheel rims for damage, cracks missing or loose wheel nuts													x	ai				
75	Inspect	Tyres for damage, tread depth & pressure																		
	Depth / Damage	P2:		mm	P4:		mm	P8:		mm	P12:		mm	P16:		mm				
						P7:		mm	P11:		mm	P15:		mm						
						P6:		mm	P10:		mm	P14:		mm						
76	Pressure	P1:		mm	P3:		mm	P5:		mm	P9:		mm	P13:		mm				
		P2:		psi	P4:		psi	P8:		psi	P12:		psi	P16:		psi				
						P7:		psi	P11:		psi	P15:		psi						
						P6:		psi	P10:		psi	P14:		psi						
77	Check	P1:		psi	P3:		psi	P5:		psi	P9:		psi	P13:		psi				
		DPF Soot levels and conduct a manual regeneration burn if required																		
AFTER EVERY SERVICE																				
78	Check	Allfluid levels are correct & the truck is running / operating as per OEM specifications, disconnect trailer											x				ai			
DEFECTS / COMENTS & PARTS TO BE ORDERED																				
SERVICE COMPLETION DECLARATION																				
On signing / initialling this service report you deem that this service has been thoroughly completed. The equipment is in a safe and operational condition at the time of inspection / service.																				
<u>billy stephens</u>										<u>8/07/2025</u>										
Mechanic / Supervisor Signature										Inspection Completion Date										
<u>franz & isaac</u>																				
Name of Mechanic / Supervisor																				