


Date	Work Description	Plant No	Work Type
30/05/22	Grader repairs, replace cutting edges	GR64	MF - Maintenance Fitter
30/05/22	Check over, blade cutting edges	GR64	MF - Maintenance Fitter
01/06/22	Fit pannels	GR64	MF - Maintenance Fitter
01/06/22	Fit pannels	GR64	MF - Maintenance Fitter
02/06/22	Remove snowplow hoses	GR64	MF - Maintenance Fitter
02/06/22	Prepare for work	GR64	MF - Maintenance Fitter
03/06/22	Fit flash light, made bracket	GR64	MF - Maintenance Fitter
06/06/22	Grader repairs, install UHF, replace oring	GR64	MF - Maintenance Fitter
07/06/22	Grader repairs	GR64	MF - Maintenance Fitter
14/07/22	Fit Belly Guards & Pannels	GR64	LMF - Labour Maintenance Fitter
14/07/22	Fit Belly Guards & Pannels	GR64	LMF - Labour Maintenance Fitter
16/08/22	Fit Fire Extinguisher & Clean out Cab	GR64	LMF - Labour Maintenance Fitter
30/08/22	Repair Steering Cylinder Oil Leak	GR64	LMF - Labour Maintenance Fitter
21/09/22	Mount Drawbat	GR64	LMF - Labour Maintenance Fitter
21/09/22	Fitted Ball back on A Frame	GR64	LMF - Labour Maintenance Fitter
29/09/22	Remove Drawbar, (Needs New Shaft Welded On)	GR64	LMF - Labour Maintenance Fitter
29/09/22	Pulled Aframe Hitch Apart Fire Watch	GR64	LMF - Labour Maintenance Fitter
30/09/22	Trunnion Replacement & Adjust Circle	GR64	LMF - Labour Maintenance Fitter
30/09/22	Fire Watch. Shim & Fit New A Frame Ball & Trunnion	GR64	LMF - Labour Maintenance Fitter
12/10/22	6000hr Service	GR64	LMF - Labour Maintenance Fitter
14/10/22	Replace Water Pump & Finish 6000hr Service	GR64	LMF - Labour Maintenance Fitter
14/10/22	Finish 6000hr Service	GR64	LMF - Labour Maintenance Fitter
09/11/22	Aircon issue, compressor clutch not kicking in	GR64	LMF - Labour Maintenance Fitter
09/11/22	Diagnosed A/C fault	GR64	LMF - Labour Maintenance Fitter
10/11/22	Replace aircon compressor	GR64	LMF - Labour Maintenance Fitter
10/11/22	Replace A/C comp, charged with new gas	GR64	LMF - Labour Maintenance Fitter
11/11/22	Replace aircon compressor	GR64	LMF - Labour Maintenance Fitter
14/11/22	Remove shims from rams (lift, centre)	GR64	LMF - Labour Maintenance Fitter
26/11/22	rplace blade slide & adjust unseize bolts	GR64	LMF - Labour Maintenance Fitter
03/12/22	250Hr Service	GR64	LMF - Labour Maintenance Fitter
21/01/23	500HR Service	GR64	LMF - Labour Maintenance Fitter
21/01/23	1000HR Service	GR64	LMF - Labour Maintenance Fitter
10/02/23	Sign in, visitor induc. C/O #4 inject	GR64	LMF - Labour Maintenance Fitter
10/02/23	C/O #4 iject, install cover, harness, tirm file,st	GR64	LMF - Labour Maintenance Fitter
10/02/23	Fit no4 fuel injector	GR64	LMF - Labour Maintenance Fitter
13/02/23	CAT made hose fitted to grader	GR64	LMF - Labour Maintenance Fitter
15/02/23	Replace cutting edges	GR64	LMF - Labour Maintenance Fitter
06/03/23	250HR Service	GR64	LMF - Labour Maintenance Fitter
09/05/23	Ripper boots	GR64	MF - Maintenance Fitter
15/06/23	Drawback adjustment, circle adjustment, replace bl	GR64	MF - Maintenance Fitter
16/06/23	Finish off grader repairs, fill oils, a/filters	GR64	LMF - Labour Maintenance Fitter
11/07/23	1000HR service	GR64	LMF - Labour Maintenance Fitter
21/07/23	Fix rear lights	GR64	LMF - Labour Maintenance Fitter
07/09/23	250HR service, repairs	GR64	LMF - Labour Maintenance Fitter
13/09/23	Tvl Tow51, rpl cut edge, rpl 1x g/nipple, rpl hyd	GR64	LMF - Labour Maintenance Fitter
21/09/23	Drive T42 rplc hyd hose	GR64	LMF - Labour Maintenance Fitter
27/10/23	500hr Service	GR64	LMF - Labour Maintenance Fitter
04/12/23	250 Hr Service & change Cutting Edges	GR64	LMF - Labour Maintenance Fitter
16/12/23	GR64 NOX Sensor Failure	GR64	MM - Maintenance Manager
22/12/23	Wash GR64	GR64	LWD - Labour Workshop Duties
31/01/24	2000 hr service	GR64	MF - Maintenance Fitter
31/01/24	2000hr service	GR64	MF - Maintenance Fitter
31/01/24		GR64	MF - Maintenance Fitter
01/02/24	Replace window	GR64	MF - Maintenance Fitter
01/02/24	Change RHS door glass	GR64	MF - Maintenance Fitter
01/02/24	Drill out bracket for nox sensor, grease check ove	GR64	MF - Maintenance Fitter
06/02/24	Fit guards & hoses to grader	GR64	MF - Maintenance Fitter
23/02/24	Get tyre changing gear, drive to lluka, replace ty	GR64	MF - Maintenance Fitter

08/03/24	replace cutting edges and check over grader	GR64	MF - Maintenance Fitter
12/03/24	Fit headlight	GR64	MF - Maintenance Fitter
20/03/24	Replace cutting edges check over machine	GR64	MF - Maintenance Fitter
03/04/24	load up trailer gear	GR64	MF - Maintenance Fitter
03/04/24	replace POS4 tyre	GR64	MF - Maintenance Fitter
03/04/24	travel back to mildura	GR64	MF - Maintenance Fitter
12/04/24	Travel to grader	GR64	MF - Maintenance Fitter
12/04/24	replace cutting edges	GR64	MF - Maintenance Fitter
12/04/24	travel back to Mildura	GR64	MF - Maintenance Fitter
19/04/24	Wire up grease control box	GR64	MF - Maintenance Fitter
23/04/24	autogreaser install	GR64	MF - Maintenance Fitter
24/04/24	auto greaser install	GR64	MF - Maintenance Fitter
24/04/24	auto greaser install	GR64	MF - Maintenance Fitter
24/04/24	Estop fault	GR64	MF - Maintenance Fitter
26/04/24	install grease system	GR64	MF - Maintenance Fitter
29/04/24	autogreaser install	GR64	MF - Maintenance Fitter
29/04/24	Grease system install	GR64	MF - Maintenance Fitter
30/04/24	autogreaser install	GR64	MF - Maintenance Fitter
30/04/24	AUTOGREASER INSTALL	GR64	MF - Maintenance Fitter
30/04/24	Grease system install	GR64	MF - Maintenance Fitter
01/05/24	AUTOGREASER INSTALL	GR64	MF - Maintenance Fitter
01/05/24	Autogreaser repairs, service	GR64	MF - Maintenance Fitter
01/05/24	Grease system install	GR64	MF - Maintenance Fitter
01/05/24	Grease system install, 250hr service	GR64	MF - Maintenance Fitter
01/05/24	250hr service	GR64	MF - Maintenance Fitter
03/05/24	replace circle, pinion, slides, wearstrips	GR64	MF - Maintenance Fitter
03/05/24	replace pinion, wear strips adjust circle	GR64	MF - Maintenance Fitter
03/05/24	Grease system faults, replace circle	GR64	MF - Maintenance Fitter
06/05/24	Grease system install	GR64	MF - Maintenance Fitter
07/05/24	Grader front end remove	GR64	MF - Maintenance Fitter
07/05/24	grader front end remove	GR64	MF - Maintenance Fitter
07/05/24	Start isolator, front end rebuild, grease system	GR64	MF - Maintenance Fitter
08/05/24	Front end remove	GR64	MF - Maintenance Fitter
08/05/24	Front end remove	GR64	MF - Maintenance Fitter
08/05/24	Front end rebuild	GR64	MF - Maintenance Fitter
09/05/24	Order parts pick up parts	GR64	MF - Maintenance Fitter
14/05/24	GR64 Repairs,	GR64	MF - Maintenance Fitter
14/05/24	remove all pins & bushes, replace sockets in drag!	GR64	MF - Maintenance Fitter
13/06/24	Grader front end repairs	GR64	MF - Maintenance Fitter
13/06/24	front end installation	GR64	MF - Maintenance Fitter
14/06/24	Grader repairs	GR64	MF - Maintenance Fitter
14/06/24	Front wheel end assembly	GR64	MF - Maintenance Fitter
17/06/24	Assemble front end	GR64	MF - Maintenance Fitter
17/06/24	assemble front end	GR64	MF - Maintenance Fitter
18/06/24	Front end repairs	GR64	MF - Maintenance Fitter
18/06/24	front end repairs, replace hoses, fit brackets, gr	GR64	MF - Maintenance Fitter
18/06/24	grader front end	GR64	MF - Maintenance Fitter
19/06/24	Assemble front end grader	GR64	MF - Maintenance Fitter
19/06/24	change 4x tyres, torque wheelsto spec, (70ft/lb),	GR64	MF - Maintenance Fitter
19/06/24	C/O tyres	GR64	MF - Maintenance Fitter
21/06/24	install dashcam, make bracket for GPS base, run up	GR64	MF - Maintenance Fitter
27/06/24	remove blade pins and bushes	GR64	MF - Maintenance Fitter
28/06/24	Grader repairs	GR64	MF - Maintenance Fitter
28/06/24	grader repairs, fit belts & pulleys, fit guards, r	GR64	MF - Maintenance Fitter
04/07/24	GPS fault	GR64	MF - Maintenance Fitter
16/08/24	500HR SERVICE	GR64	MF - Maintenance Fitter
22/08/24	500HR SERVICE GR64	GR64	MF - Maintenance Fitter
28/08/24	AC window washer, spraying	GR64	MF - Maintenance Fitter
28/08/24	Remove fss repair wiring in engine bay	GR64	MF - Maintenance Fitter

29/08/24	Build front hubs	GR64	MF - Maintenance Fitter
29/08/24	REPAIR 2X REAR TRANS SCREEN COVER ORINGS - LEAKING	GR64	MF - Maintenance Fitter
29/08/24	FINISH OFF & TEST GR64	GR64	MF - Maintenance Fitter
05/09/24	Quick hitch, replace oring in steering	GR64	MF - Maintenance Fitter
13/09/24	Fit tyre to grader	GR64	MF - Maintenance Fitter
18/09/24	Oil leak	GR64	MF - Maintenance Fitter
20/09/24	Repairs	GR64	MF - Maintenance Fitter
20/09/24	Reseal starts	GR64	MF - Maintenance Fitter
25/09/24	Reverse camera	GR64	MF - Maintenance Fitter
30/09/24	Check aircon (hose u/s)	GR64	MF - Maintenance Fitter
02/10/24	Replace aircon lines, dryer, accumulator	GR64	MF - Maintenance Fitter
02/10/24	A/C	GR64	MF - Maintenance Fitter
03/10/24	Start service & repairs	GR64	MF - Maintenance Fitter
03/10/24	Adjust circle, shim drawbar	GR64	MF - Maintenance Fitter
03/10/24	250hr service	GR64	MF - Maintenance Fitter
03/10/24	Fitted new blade slides	GR64	MF - Maintenance Fitter
03/10/24	Start 250hr service	GR64	MF - Maintenance Fitter
03/10/24	Carry out 250hr service, check all oils, replace	GR64	MF - Maintenance Fitter
03/10/24	250hr service	GR64	MF - Maintenance Fitter
21/10/24	Pumped up POS 3 tyre	GR64	MF - Maintenance Fitter
14/11/24	1000 Hr Service & Repairs	GR64	MF - Maintenance Fitter
14/11/24	1000 Hour service & Repairs and cutting edges	GR64	MF - Maintenance Fitter
14/11/24	1000 Hour Service	GR64	MF - Maintenance Fitter
14/11/24	1000 hr service	GR64	MF - Maintenance Fitter
14/11/24	clean up after service	GR64	MF - Maintenance Fitter
21/11/24	Replace transmission lines and remove guards	GR64	MF - Maintenance Fitter
21/11/24	replace trans lines, diff lock hoses	GR64	MF - Maintenance Fitter
21/11/24	Change filters	GR64	MF - Maintenance Fitter
21/11/24	Replace trans cooler and diff lock hoses	GR64	MF - Maintenance Fitter
26/11/24	shim circle	GR64	MF - Maintenance Fitter
27/11/24	Grader repairs, replace fuel hoses and fit belly g	GR64	MF - Maintenance Fitter
27/11/24	Replace fuel hoses	GR64	MF - Maintenance Fitter
27/11/24	Replace fuel hoses	GR64	MF - Maintenance Fitter
27/11/24	Replace fuel hoses and tidy up	GR64	MF - Maintenance Fitter
27/11/24	Replace fuel lines	GR64	MF - Maintenance Fitter
27/11/24	Replace fuel hoses	GR64	MF - Maintenance Fitter
28/11/24	Calibrate transmission	GR64	MF - Maintenance Fitter
12/12/24	Go-line, flip scarafier rippers	GR64	MF - Maintenance Fitter
15/12/24	Adjust circle	GR64	MF - Maintenance Fitter
09/01/25	diagnose circle fault	GR64	MF - Maintenance Fitter
13/01/25	250 Hour Service & Replace Trans pipe	GR64	MF - Maintenance Fitter
13/01/25	250 Hour Service & Repairs	GR64	MF - Maintenance Fitter
13/01/25	250 Hour Service & Repairs	GR64	MF - Maintenance Fitter
15/01/25	Replace circle shims, top shims, 3 x lights in cab	GR64	MF - Maintenance Fitter
15/01/25	Finish service and fit new circle shims	GR64	MF - Maintenance Fitter
07/02/25	Replace bushes in GPS post	GR64	MF - Maintenance Fitter
07/02/25	C/O blade slides - re-bush GPS pole	GR64	MF - Maintenance Fitter
12/02/25	Repair lights	GR64	MF - Maintenance Fitter
20/02/25	Hose wrap front wheel drive	GR64	MF - Maintenance Fitter
28/02/25	500 hour service	GR64	MF - Maintenance Fitter
28/02/25	500 hour service	GR64	MF - Maintenance Fitter
28/02/25	500 Hour Service	GR64	MF - Maintenance Fitter
28/02/25	500 hour service	GR64	MF - Maintenance Fitter
05/03/25	adjust latch, need new striker	GR64	MF - Maintenance Fitter
12/03/25	Repair GPS cable	GR64	MF - Maintenance Fitter
17/03/25	replace ripper boots	GR64	MF - Maintenance Fitter
17/03/25	250 hour service	GR64	MF - Maintenance Fitter
27/03/25	Wiper repairs	GR64	MF - Maintenance Fitter
04/04/25	replace wiper blades	GR64	MF - Maintenance Fitter

08/04/25	Remove broken step bolt, and door sticker	GR64	MF - Maintenance Fitter
09/04/25	diagnose oil leak, hydraulic hoses	GR64	MF - Maintenance Fitter
09/04/25	Investigate oil leaks, found hoses cracked	GR64	MF - Maintenance Fitter
09/04/25	remove guards & clamps	GR64	MF - Maintenance Fitter
10/04/25	Remove hoses	GR64	MF - Maintenance Fitter
11/04/25	pull new hoses through	GR64	MF - Maintenance Fitter
14/04/25	Help run new hose fit new hose clamp, fit guards	GR64	MF - Maintenance Fitter
14/04/25	replace hoses in grader	GR64	MF - Maintenance Fitter
15/04/25	finish off job / fit belly plates fill hyd system	GR64	MF - Maintenance Fitter
24/04/25	replaced cutting edges & 250 hour service	GR64	MF - Maintenance Fitter
24/04/25	250 hour service	GR64	MF - Maintenance Fitter
24/04/25	250 Hour Service	GR64	MF - Maintenance Fitter
24/04/25	250 hour service & cutting edges	GR64	MF - Maintenance Fitter
01/05/25	Replace O-rin on tyre, put tyre back on rim	GR64	MF - Maintenance Fitter
01/05/25	fitted new tyre orings POS4	GR64	MF - Maintenance Fitter
13/05/25	Front RH's hub leaking out of breather	GR64	MF - Maintenance Fitter
13/05/25	pos 2 hub leak	GR64	MF - Maintenance Fitter
03/06/25	2000 Hour Service	GR64	MF - Maintenance Fitter
03/06/25	2000 Hour Service	GR64	MF - Maintenance Fitter
03/06/25	2000 Hour Service	GR64	MF - Maintenance Fitter
03/06/25	2000 Hour Service	GR64	MF - Maintenance Fitter
10/06/25	ATF Fault	GR64	MF - Maintenance Fitter
11/06/25	oil leak	GR64	MF - Maintenance Fitter
12/06/25	Removed cracked pipe	GR64	MF - Maintenance Fitter
13/06/25	Replaced cracked pipe	GR64	MF - Maintenance Fitter
16/06/25	Wash & Refit panels	GR64	MF - Maintenance Fitter
18/06/25	Grease line repairs	GR64	MF - Maintenance Fitter
20/06/25	Repair lights	GR64	MF - Maintenance Fitter
24/06/25	Replace light globes (7X)	GR64	MF - Maintenance Fitter
24/06/25	Replaced 6 globes / checked blade slides	GR64	MF - Maintenance Fitter
27/06/25	Replaced blade slides/adjust door/elec fault	GR64	MF - Maintenance Fitter
30/06/25	Replace 2 x fan hoses and case drain hose	GR64	MF - Maintenance Fitter
01/07/25	fit guards, shrouds, run up grader	GR64	MF - Maintenance Fitter
01/07/25	Grade covers	GR64	MF - Maintenance Fitter
09/07/25	defect repairs	GR64	MF - Maintenance Fitter
09/07/25	defect repairs	GR64	MF - Maintenance Fitter
09/07/25	Hose & Oil Cooler repairs	GR64	MF - Maintenance Fitter
10/07/25	Defect Repairs	GR64	MF - Maintenance Fitter
10/07/25	Cooler gaskets	GR64	MF - Maintenance Fitter
10/07/25	Top up fluids	GR64	MF - Maintenance Fitter
18/07/25	Fuel fault	GR64	MF - Maintenance Fitter
07/08/25	POS 2 hub overfill	GR64	MF - Maintenance Fitter
07/08/25	oil leak RHF	GR64	MF - Maintenance Fitter
12/08/25	Diff repairs	GR64	MF - Maintenance Fitter
14/08/25	emissions fault	GR64	MF - Maintenance Fitter
15/08/25	emissions fault	GR64	MF - Maintenance Fitter
19/08/25	250 hour service	GR64	MF - Maintenance Fitter
19/08/25	250 hour service	GR64	MF - Maintenance Fitter
11/09/25	replace grader blades & check over machine	GR64	MF - Maintenance Fitter
11/09/25	replace cutting edge & repair worn grease lines	GR64	MF - Maintenance Fitter
22/09/25	Diagnose & remove fan motor	GR64	MF - Maintenance Fitter
29/09/25	AC repairs	GR64	MF - Maintenance Fitter
29/09/25	Air cond, recheck faults,	GR64	MF - Maintenance Fitter
16/10/25	hose leak, parts ordered	GR64	MF - Maintenance Fitter
17/10/25	make hydraulic hose (help with john)	GR64	MF - Maintenance Fitter
06/11/25	500 Hour service & defects	GR64	MF - Maintenance Fitter
06/11/25	500 hour service	GR64	MF - Maintenance Fitter
06/11/25	500 hour service	GR64	MF - Maintenance Fitter
07/11/25	500 hour service & hoses change out	GR64	MF - Maintenance Fitter

07/11/25	500 hours service	GR64	MF - Maintenance Fitter
07/11/25	remove belly guards, replace hydraulic hose	GR64	MF - Maintenance Fitter
07/11/25	finish 500 hour service	GR64	MF - Maintenance Fitter
25/11/25	start on drawbar & wear strips	GR64	MF - Maintenance Fitter
26/11/25	replace circle wear strips	GR64	MF - Maintenance Fitter
26/11/25	replace wear strips inner circle, centre circle	GR64	MF - Maintenance Fitter
	GR64 - POS 2 Split in SME Wall & Tire worn out POS 3,4,5,6		
	GR64 - Wear strips (inner circle) +/- 20 %		
	GR64 - Light bar (Front) Needs adjusting		
	GR64 - AC Not working		
	GR64 - Fit hydraulic hose		
	GR64 - air ride button may have loose wire only works if you move seat back and forth		
	GR64 Injector #1 non responsive		
	GR64 Front RH drive light blown		
	GR64 - GET Condition cutting edge worn		
	GR64 - Blown hydro hose on steering		
	GR64 CAT 160M3 Awd Grader - Service Schedule Step 250 (477)		
	GR64 - Cutting edge		
	GR64 - GET Condition - Blade slide adjustment		
	GR64 - Blade slides		

PLANT AND EQUIPMENT MAINTENANCE AND REPAIR REPORT			
Date:	14/10/22		
Plant:	GR64		
Plant No:	GRADER		
Location:	BURONGA Substation.		
Machine Hours:	5981 HRS.		
Details of Work:	REPLACED WATER PUMP WITH CAT NEW.		
	* REPLACED COOLANT -		
	- REPAIR COMPLETED BY: DENNIS GELBERS.		
Report Completed By:	DAAN.		
Signature:		Date:	17/10/22

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Plant: GR64 CAT 160M3 Awd
Grader

Zone: Zone All

Status: Submitted

Form Template: Grader – 250
Hour Service (NEW)

Date Created: Wednesday, 18
March 2026, 3:50:46 PM
(GMT+11:00)

Grader – 250 Hour Service (NEW) – 3

Grader – 250 Hour Service

Accident Prevention

Read and understand safety warning in the operation and maintenance manual	Yes
Have you completed a Take 2?	Yes
Have your job circumstances changed since completing your Take 2?	Yes

Initial Setup / Pre-Service Checks

Machine has been cleaned prior to commencement of service	Yes
Machine has been positioned on flat level ground	Yes
All implements have been lowered	Yes
Machine has been isolated and locked out	Yes

SAMPLE

Sample: Engine oil	Pass
Sample: Transmission oil	Pass
Sample: Hydraulic oil	Pass

CHECK



Plant: GR64 CAT 160M3 Awd Grader

Zone: Zone All

Status: Submitted

Form Template: Grader - 250 Hour Service (NEW)

Date Created: Wednesday, 18 March 2026, 3:50:46 PM (GMT+11:00)

Check Engine Oil Level	Pass
Check Tandem Oil Levels	Pass
Check Coolant Level	Pass
Check transmission oil levels	Pass
Check hydraulic oil levels	Pass
Check Differential Oil levels	Pass
Check Gear Group (All Wheel Drive) Oil	Pass
Check Wheel hub oil level	Pass

CLEAN

Clean engine air pre-cleaner / pre-cleaner (if fitted)	Pass
Clean cab and HVAC system intake area	Pass
Clean radiator, condenser, and cooling system relief valve	Pass
Clean transmission and hydraulic screens / breathers	N/A
Clean battery box and terminals	Pass
Clean and inspect all breathers	Pass
Clean/replace tandem breather	Pass
Clean engine breather	Pass
Clean primary fuel screen	Pass



Plant: GR64 CAT 160M3 Awd Grader

Zone: Zone All

Status: Submitted

Form Template: Grader - 250 Hour Service (NEW)

Date Created: Wednesday, 18 March 2026, 3:50:46 PM (GMT+11:00)

Clean differential housing breather (service as required)	Pass
Clean condenser (refrigerant)	Pass
Clean evaporator coil and heater coil	Pass
Clean/replace cooling system pressure cap	Pass
Clean transmission breather	Pass
Clean PTO and universal joints (visual during greasing)	Pass

GREASE

Grease circle drive gear and pinion	Pass
Grease circle guide pads	Pass
Grease articulation and steering linkages	Pass
Grease all blade lift and tilt linkages	Pass
Grease saddle pivot and drawbar ball joint	Pass
Grease wheel lean pivot	Pass
Grease all other chassis points as per manufacturer's diagram	Pass

MECHANICAL CHECKS

Check articulation joints and pins for play	Pass
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Plant: GR64 CAT 160M3 Awd Grader

Zone: Zone All

Status: Submitted

Form Template: Grader - 250 Hour Service (NEW)

Date Created: Wednesday, 18 March 2026, 3:50:46 PM (GMT+11:00)

Check circle drive backlash	Pass
Inspect drawbar and blade linkages	Pass
Check cutting edge wear and bolts	Pass
Inspect tandem case and axle tubes for leaks	Fail
Comments	Tandem leaking both
Photo	
Check hydraulic lines for chafing and leaks	Pass
Check steering cylinders and linkages	Pass
Inspect fan and accessory belt condition	Pass
Check battery terminals and hold-downs	Pass
Inspect exhaust system and mounting	Pass
Check coolant lines and radiator cap seal	Pass
Inspect brake lines and accumulators	Pass
Check wheel lean and blade lift systems	Fail
Comments	Slide cylinder leaking
Photo	
Inspect engine mounts and frame structure	Pass
Check differential lock operation	Pass



Plant: GR64 CAT 160M3 Awd
Grader

Zone: Zone All

Status: Submitted

Form Template: Grader – 250
Hour Service (NEW)

Date Created: Wednesday, 18
March 2026, 3:50:46 PM
(GMT+11:00)

Inspect A/C compressor belt and operation	Pass
Check gearbox and tandem oil levels	Pass
Inspect all guards and covers for security	Pass

TYRE PRESSURES

Record actual and adjusted pressure (target = 75 PSI unless otherwise specified).

POS 1 Actual:	60
POS 1 Adjusted:	60
POS 2 Actual:	60
POS 2 Adjusted:	50
POS 3 Actual:	60
POS 3 Adjusted:	60
POS 4 Actual:	60
POS 4 Adjusted:	60

SAFETY CHECKS

Service brake stall test	Pass
Emergency brake	Pass
Park brake	Pass
Retarder function (if equipped)	N/A
Steering function	Pass
Seat condition & adjustment	Pass
Seat belt operation	Pass
Door & window operation	Pass
Mirror condition	Pass
Horns (air & electric)	Pass



Plant: GR64 CAT 160M3 Awd Grader

Zone: Zone All

Status: Submitted

Form Template: Grader - 250 Hour Service (NEW)

Date Created: Wednesday, 18 March 2026, 3:50:46 PM (GMT+11:00)

Wipers & washer bottle	Pass
Gauges & warning lights	Pass
Reverse alarm / E-stop	Pass
Radio function	Pass
Grab rails and steps	Pass
Fire extinguisher (check date)	Pass
Fire suppression bottle	N/A
Tyres & wheel nuts	Pass
Fuel/oil/grease leaks or buildup	Pass
Inspect/adjust/replace moldboard wear strip	Pass
Check engine valve lash	N/A
End of Service Comments	

Service Completion Sign-Off

Service completed by: Luke Stephens

Defects identified within this document

ID	Name	Date Created	Actual Completion Date	Status
664	Inspect tandem case and axle tubes for leaks	24 Mar 2026		In Progress
665	Check wheel lean and blade lift systems	24 Mar 2026		In Progress

Accident Prevention
 Read and understand safety warning in the operation and maintenance manual
 Have you completed a take 2?
 Have your job circumstances change since completing your take 2?

14M/140H/140H 2000 Hour Grader Service Sheet

Date:	3/6/25	Name:	JAMIE TOM	Machine Hours:	9993 hrs
Plant ID:	GR64	Service Type:	2000 Hour		
<input checked="" type="checkbox"/>	Machine has been cleaned prior to commencement of service				
<input checked="" type="checkbox"/>	Machine has been positioned on flat level ground				
<input checked="" type="checkbox"/>	All implements have been lowered				
<input checked="" type="checkbox"/>	Machine has been isolated and locked out				

Compartment	Oil Type
Engine	15W-40
Transmission	30W
Hydraulics	10W
Radiator	Cat Extended Life Coolant
Tandem LH	30W
Tandem RH	30W
Circle Drive	85W-140
Wheel bearing	50W

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Integrated Management System

Quality Form

Document No. MAF0033

14M/14H/140H 2000 Hour Grader Service Sheet

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CHECK:

Drain water from air tank				N/A
Battery electrolyte level				JC
Injector adjustment				TOLD NOT TO DO
Valve lash				TOLD NOT TO DO

GREASE:

Fan hub bearing (hand gun only)				N/A
Driveshaft splines and universal joints (hand gun only)				JC
Articulation hitch bearings				JC

2000 HR MECHANICAL SERVICE

KEY:

1. Defect found and repaired
2. Defect found and recorded, machine still OK
3. OK
4. Not applicable

CHECK:	1	2	3	4
Condition and tension of V Belts				✓
Universal joints for wear				✓
Drawbar ball bush wear				✓
Blade and circle adjustment				✓
All blade and circle balls and bushes etc. for movement				✓
Articulation hitch bearing for movement				✓
Articulation cylinder pin wear				✓
Air conditioner – condition and operation				✓
Operation of hydraulic controls				✓
Frame and attachments for cracks				✓
Fuel system for loose bolts and fittings				✓
Fuel line supply support clamps				✓
Hydraulic system for damaged lines and loose fittings				✓
All hoses for general condition and chaffing				✓
Cooling system hoses for condition and clamps for tightness				✓
Induction system for leaks and clamps for tightness				✓
Engine and transmission mounts				✓
Exhaust system for leaks, clamps and bolts for tightness				✓
Radiator for debris (wash if necessary)				✓

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Prepared By: Troy Storach Date: 31/08/2020 Approved By: Troy Storach Date: 31/08/2020
 Rev. No: 2 Date Implemented: 31/08/2020



- Emergency/ Park Brake**
1. This test must be carried out on a hard dry surface. clear of personnel and obstacles. Seat belt must be worn.
 2. Position the machine upward on a 20 percent slope.
 3. Engage the parking brake and release the service brake. The wheels should not rotate. If the wheels rotate, apply the service brake.

CHECK:	A	B	C	D	E	F
Steering Operation					✓	
Emergency steering operation					✓	
Seat belt – retainers and operation					✓	
Horns – air/electric					✓	
Wipers					✓	
Mirrors					✓	
Seats – suspension adjustment/condition					✓	
Doors					✓	
Windows					✓	
Gauges					✓	
Operation of shift tower					✓	
Grab rails					✓	
Fire extinguishers – invert and shake to loosen powder					✓	
Fire suppression bottle charge					✓	
Tyre condition					✓	
Lights					✓	
Reverse alarm					✓	
Wheel nuts					✓	
Cab condition					✓	
Audible alarm and warning lights					✓	
Operation of emergency stop					✓	
Steps					✓	
Pin and retainers					✓	
Accumulation of fuel, oil, grease etc. that may cause fire hazard					✓	
Radio operation					✓	
Fuel leaks					✓	

3X LIGHT OUT

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500HR MECHANICAL SERVICE

- KEY:**
1. Defect found and repaired
 2. Defect found and recorded, machine still OK
 3. OK
 4. Not applicable

CHECK	1	2	3	4
Condition and tension of V belts			✓	
Universal joints for wear			✓	
Drawbar ball bush wear			✓	
Blade and circle adjustment		✓		
All blade and circle balls and bushes etc. for movement			✓	
Articulation hitch bearing for movement			✓	
Articulation cylinder pin wear			✓	
Air conditioner – condition and operation			✓	
Operation of hydraulic controls			✓	
Frame and attachments for cracks			✓	
Fuel system for loose bolts and fittings			✓	
Fuel line supply support clamps			✓	
Hydraulic system for damaged lines and loose fittings	✓			
All hoses for general condition and chaffing	✓			
Cooling system hoses for condition and clamps for tightness			✓	
Induction system for leaks and clamps for tightness				
Engine and transmission mounts			✓	
Exhaust system for leaks, clamps and bolts for tightness			✓	
Radiator for debris (wash if necessary)			✓	
That all points are receiving grease			✓	
Operation of park brake interlock			✓	

Magnetic plug conditions*: RHF(*ok*) LHF(*ok*)

***LEGEND:**
OK – OK **P** – Paste **HP** – Heavy Paste **LF** – Light Flakes **HF** – Heavy Flakes (return to foreman)

CHECK TYRE PRESSURES:

	POS 1	POS 2	POS 3	POS 4	POS 5	POS 6
Actual:	<i>SS</i>	<i>SS</i>	<i>SS</i>	<i>SS</i>	<i>SS</i>	<i>SS</i>
Adjusted:						

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SAFETY CHECK TO BE CARRIED OUT EVERY SERVICE

NOTE: Boxes A - F are to be initialled by person carrying out safety checks.

Every person carrying out these checks **must** also sign off Safety Check Sheet before the end of each shift.

KEY:

- A. **Machine is not safe**, defect must be repaired
- B. Defect found, authorisation required before returning to work
- C. Defect found and recorded, machine safe to operate
- D. Defect found and repaired
- E. OK
- F. Not applicable

CHECK:

	A	B	C	D	E	F
Service Brake Operation 1. This test must be carried out on a hard dry level surface, clear of personnel and obstacles. Seat belt must be worn. 2. Start the engine and slightly raise the blade. Depress the decelerator control pedal and the service brake control pedal simultaneously. 3. Move gear to THIRD SPEED FORWARD position. Increase the engine speed to high idle. 4. Gradually release the decelerator control pedal. The machine should not move and the engine should stall. 5. Engage park brake and lower the blade to the ground.					✓	
Emergency/ Park Brake 1. This test must be carried out on a hard dry surface, clear of personnel and obstacles. Seat belt must be worn. 2. Position the machine upward on a 20 percent slope. 3. Engage the parking brake and release the service brake. The wheels should not rotate. If the wheels rotate, apply the service brake.					✓	
Steering operation					✓	
Emergency steering operation					✓	
Seat belt – retainers and operation					✓	
Horns – air/electric					✓	
Wipers			✓			
Mirrors					✓	
Seats – suspension adjustment/condition					✓	
Doors				✓		
Windows					✓	
Gauges						✓
Operation of shift tower					✓	
Grab rails					✓	
Fire extinguishers – invert and shake to loosen powder					✓	
Fire suppression bottle charge			✓			✓
Tyre condition			✓			

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500HR LUBE SERVICE				INITIAL
SAMPLE:	Engine	final drive	dg	circle drive dg
	Transmission	tandems	dg	dg
	Hydraulic	coolant	dg	dg
CHANGE:				
	Engine oil			dg
	Engine oil filters			dg
	Fuel filters			dg
	Primary air filter			dg
	Transmission oil			dg
	Transmission filter			dg
	P1 hub oil	final ①		dg
	P2 hub oil	final ②		dg
	Circle drive oil			dg
	Hydraulic filter			dg
	Cab air conditioner filters	3x 6x6 filters		dg
CLEAN:				
	Batteries and terminals			dg
	Engine breather			dg
	Primary fuel screen			dg
	Transmission screens			dg
	Transmission and diff housing breather			dg
CHECK:				
	Daily service			dg
	Front wheel hub oil levels			na
	Circle drive housing oil level			dg
	Tandem oil levels			dg
	Drain water from air tank			na
	Coolant charge level			-
	Battery electrolyte level			na
GREASE:				
	Fan hub bearing (hand gun only) (no mine grease)			na
	Driveshaft splines and universal joints (hand gun only) (no mine grease)			dg
	Articulation hitch bearings			dg

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Accident Prevention
 Read and understand safety warning in the operation and maintenance manual
 Have you completed a take 2?
 Have your job circumstances change since completing your take 2?

14M/14H/140H 500 Hour Grader Service Sheet

Date:	Thu 7-11-25	Name:	Dennis Gaborers		
Plant ID:		Service Type:	500 Hour	Machine Hours:	10.494 HRS
<input checked="" type="checkbox"/>	Machine has been cleaned prior to commencement of service				
<input checked="" type="checkbox"/>	Machine has been positioned on flat level ground				
<input checked="" type="checkbox"/>	All implements have been lowered				
<input checked="" type="checkbox"/>	Machine has been isolated and locked out				

Compartment	Oil Type
Engine	15W-40
Transmission	30W
Hydraulics	10W
Radiator	Cat Extended Life Coolant
Tandem LH	30W
Tandem RH	30W
Circle Drive	85W-140
Wheel bearing	50W

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Lights						
CHECK:	A	B	C	D	E	F
Reverse alarm					✓	
Wheel nuts					✓	
Cab condition					✓	
Audible alarm and warning lights					✓	
Operation of emergency stop					✓	
Steps					✓	
Pin and retainers					✓	
Accumulation of fuel, oil, grease etc. that may cause a fire hazard					✓	
Two way radio operation					✓	
Fuel leaks					✓	

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Tyre and Rim Change

Plant ID:	CR64	Site:	H/O	Tyre Fitter:	Dennis	Model:	Cat 160 m
Tyre Size:	17.5 R25	Hours:	8252	Kilometres:		Date:	19-06-2024

Tyre - Rim Off

POS	Serial No.	Tread In	Tread Out	Rim No.	Make	Type	Spec	Service Code***	Removal Reason Code**	Action Code*
5	W12001621	15mm	15mm		Bridgestone	Radial	2-A	A	RO	N/A

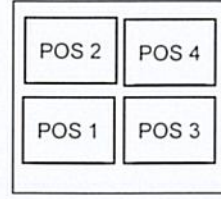
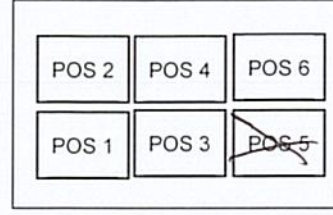
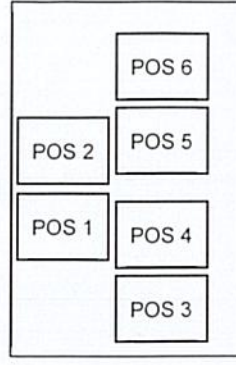
Tyre - Rim On

POS	New or Used	Serial No.	Tread In	Tread Out	Rim No.	Make	Type	Spec	Pressure
5	New	F48483600	25mm	25mm		Bridgestone	Radial	2-A	50

*Action Code

	TCUT	Tread Rock cut & Penetration	CSPE	Rock cut Separation
A	Scrap	Irregular wear, spot wear, rapid wear	PES	Ply turn up Separation
B	Repair	Ply cord/casing break up	BDCR	Bead gum chaffer cracking
C	Further Inspection	Sidewalls/shoulder rock & penetration	CS	Ply cord separation
D	Return to mine site	Bead burst, chaffer end separation, rim friction	ILS	Inner liner split or blister
E	Transfer to another site	Foreign Object	LOGP	Radial run out
F	Transfer from Supplier	Fire, Chemical, rock ejector, loader bucket	LT	Low tread
G	Sold	Shock burst, no evidence of rock cut	CB	Rock cut Burst
H	Send for recap	Buttress crack, radial crack at shoulder area	SCHD	Schedule Change
***Service Code				
A	Tyre rotation	Sidewall crack	TSEP	Tread Separation
B	Vehicle Maintenance	Run out	RF	Run flat
C	Due to rim problem	Pattern pitch vibration	SIDE	Sidewall separation
D	Due to tyre problem	Improper fitment	HSEP	Heat separation
E	Due to air leak	Not applicable	WO	Worn Out
F	Tyre fitment	Worn Out	MATC	Matching
G	Other reason			

Tyre and Rim Positions:



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Prepared By: David McNicol

Date: 03/02/2020

Approved By: John Stokes

Date: 03/02/2020

Rev. No: 2

Date Implemented: 03/02/2020



Tyre and Rim Change

Plant ID:	C.R.64	Site:	H/O	Tyre Fitter:	Pennis	Model:	GA 160m
Tyre Size:	17.5 R25	Hours:	8252	Kilometres:	—	Date:	15-06-2024

Tyre - Rim Off

POS	Serial No.	Tread In	Tread Out	Rim No.	Make	Type	Spec	Service Code***	Removal Reason Code**	Action Code*
4	F2R286110	14mm	15mm	—	Bridgestone	Radial	2-A	A	RO	N/A

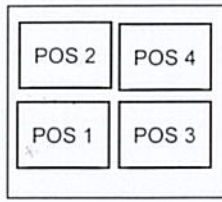
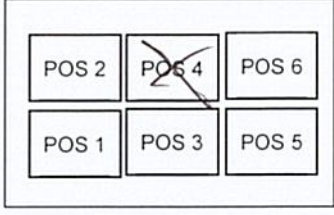
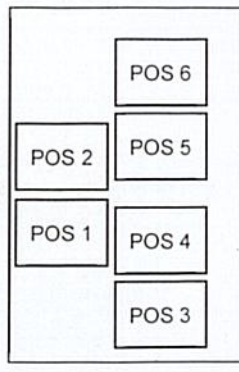
Tyre - Rim On

POS	New or Used	Serial No.	Tread In	Tread Out	Rim No.	Make	Type	Spec	Pressure
4	New	F4S484244	25mm	25mm	—	Bridgestone	Radial	2-A	50

**Removal Reason Code

*Action Code	TCUT	Tread Rock cut & Penetration	CSPE	Rock cut Separation
A Scrap	IRRW	Irregular wear, spot wear, rapid wear	PES	Ply turn up Separation
B Repair	CBU	Ply cord/casing break up	BDCK	Bead gum chaffer cracking
C Further Inspection	SCUT	Sidewalls/shoulder rock & penetration	CS	Ply cord separation
D Return to mine site	BEAD	Bead burst, chaffer end separation, rim friction	ILS	Inner liner split or blister
E Transfer to another site	FO	Foreign Object	LOGP	Radial run out
F Transfer from Supplier	ACCD	Fire, Chemical, rock ejector, loader bucket	LT	Low tread
G Solid	SB	Shock burst, no evidence of rock cut	CB	Rock cut Burst
H Send for recap	SCK	Buttress crack, radial crack at shoulder area	SCHD	Schedule Change
***Service Code				
A Tyre rotation	SWC	Sidewall crack	TSEP	Tread Separation
B Vehicle Maintenance	RO	Run out	RF	Run flat
C Due to rim problem	VIB	Pattern pitch vibration	SIDE	Sidewall separation
D Due to tyre problem	BDFI	Improper fitment	HSEP	Heat separation
E Due to air leak	NA	Not applicable	WO	Worn Out
F Tyre fitment	WO	Worn Out	MATC	Matching
G Other reason.				

Tyre and Rim Positions:



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Prepared By: David McNicol Date: 03/02/2020 Approved By: John Stokes Date: 03/02/2020

Rev. No: 2 Date Implemented: 03/02/2020



Tyre and Rim Change

Plant ID:	GR 64	Site:	H/O	Tyre Fitter:	Pennis	Model:	Cat 160m
Tyre Size:	17.5 R25	Hours:	8252	Kilometres:		Date:	19-06-2024

Tyre - Rim Off

POS	Serial No.	Tread In	Tread Out	Rim No.	Make	Type	Spec	Service Code***	Removal Reason Code**	Action Code*
1	W1B003281	5mm	5mm		Bridgestone	Radial	2-A	A	WO	N/A

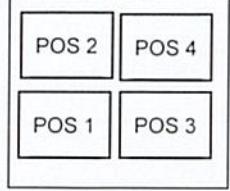
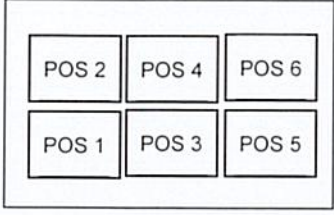
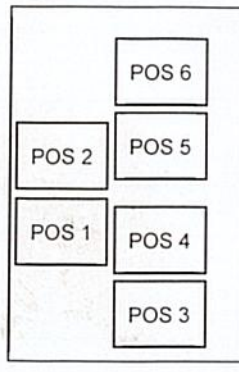
Tyre - Rim On

POS	New or Used	Serial No.	Tread In	Tread Out	Rim No.	Make	Type	Spec	Pressure
1	USED	W1L000964	15mm	17mm	NA	Bridgestone	Radial	2-A	50

**Removal Reason Code

*Action Code	TCUT	Tread Rock cut & Penetration	CSPE	Rock cut Separation
A Scrap	IRRW	Irregular wear, spot wear, rapid wear	PES	Ply turn up Separation
B Repair	CBU	Ply cord/casing break up	BDCK	Bead gum chaffer cracking
C Further Inspection	SCUT	Sidewall/shoulder rock & penetration	CS	Ply cord separation
D Return to mine site	BEAD	Bead burst, chaffer end separation, rim friction	ILS	Inner liner split or blister
E Transfer to another site	FO	Foreign Object	LOGP	Radial run out
F Transfer from Supplier	ACCD	Fire, Chemical, rock ejector, loader bucket	LT	Low tread
G Sold	SB	Shock burst, no evidence of rock cut	CB	Rock cut Burst
H Send for recap	SCK	Buttress crack, radial crack at shoulder area	SCHD	Schedule Change
***Service Code	SWC	Sidewall crack	TSEP	Tread Separation
A Tyre rotation	RO	Run out	RF	Run flat
B Vehicle Maintenance	VIB	Pattern pitch vibration	SIDE	Sidewall separation
C Due to rim problem	BDFT	Improper fitment	HSEP	Heat separation
D Due to tyre problem	NA	Not applicable	WO	Worn Out
E Due to air leak	WO	Worn Out	MATC	Matching
F Tyre fitment				
G Other reason				

Tyre and Rim Positions:





Tyre and Rim Change

Plant ID:	G1664	Site:	U/6	Tyre Fitter:	Dennis	Model:	6at 160m
Tyre Size:	17.5 R25	Hours:	852	Kilometres:		Date:	19-06-2024

Tyre - Rim Off

POS	Serial No.	Tread In	Tread Out	Rim No.	Make	Type	Spec	Service Code***	Removal Reason Code**	Action Code*
3	W1600904	15mm	17mm	—	Bridgestone	Radial	2-A	A	RO	N/A

Tyre - Rim On

POS	New or Used	Serial No.	Tread In	Tread Out	Rim No.	Make	Type	Spec	Pressure
3	New	F45483450	25mm	25mm	N/A	Bridgestone	Radial	2-A	50

**Removal Reason Code

*Action Code	TCUT	Tread Rock cut & Penetration	CSPE	Rock cut Separation
A Scrap	IRRW	Irregular wear, spot wear, rapid wear	PES	Ply turn up Separation
B Repair	CBU	Ply cord/casing break up	BDCR	Bead gum chaffer cracking
C Further Inspection	SCUT	Sidewall/shoulder rock & penetration	CS	Ply cord separation
D Return to mine site	BEAD	Bead burst, chaffer end separation, rim friction	ILS	Inner liner split or blister
E Transfer to another site	FO	Foreign Object	LOGP	Radial run out
F Transfer from Supplier	ACCD	Fire, Chemical, rock ejector, loader bucket	LT	Low tread
G Sold	SB	Shock burst, no evidence of rock cut	CB	Rock cut Burst
H Send for recap	SCK	Buttress crack, radial crack at shoulder area	SCHD	Schedule Change
***Service Code				
A Tyre rotation	SWC	Sidewall crack	TSEP	Tread Separation
B Vehicle Maintenance	RO	Run out	RF	Run flat
C Due to rim problem	VIB	Pattern pitch vibration	SIDE	Sidewall separation
D Due to tyre problem	BDFT	Improper fitment	HSEP	Heat separation
E Due to air leak	NA	Not applicable	WO	Worn Out
F Tyre fitment	WO	Worn Out	MATC	Matching
G Other reason				

Tyre and Rim Positions:

