



Plant & Vehicle Maintenance & Repairs

Asset Number: CO259		Registration Number: SV3998	Serial Number: CAT0140MCB9D04174
Make: Caterpillar		Model: 140M Grader	Date of Manufacture: 2013
Date	Hr/Kms	Work Conducted	Responsible Person
09/15/2015	1066	1000 hrs service as per manual. Replace blade lift inserts and re-shim. Replace rubber mast mount.	TG/GC
09/23/2015		Registration complice check at front gate Inpex. (Bosch Automotive)	Danny
09/26/2015	1101	Change cutting edges.	TG/GC
09/28/2015	1110	T&W weighed Grader at site and rego done.	
09/29/2015	1115	Windscreens Territory. Replaced LH door glass.	Windscreens Territory
10/28/2015	1213	Change cutting edges.	TG/GC/BH
11/03/2015	1236	250 hrs service.	GC/BH
12/04/2015	1356	Replaced cutting edges.	TG/GC
12/10/2015	1388	Replaced cutting edges.	TG/GC
03/04/2016	1705	Replace edges.	TG/GC
03/08/2016		Check charge output. All ok.	TG/GC
03/19/2016		Replace cutting edges.	TG/GC
04/08/2016	1875	Replace cutting edges.	TG/GC
04/18/2016		Replace cutting edges.	TG/GC
04/23/2016	1963	Edges.	TG/GC
04/27/2016		Refer Hastings Deering Invoice AP300541800930k 1000hrs Sve kit	Hastings
04/28/2016		2000 hrs service.	TG/GC
05/16/2016		Change cutting edges and replace ripper boots.	TG/GC
05/19/2016		Change ripper boots again.	TG/GC
06/03/2016	2077	Change out RR drive tyres. Match up to existing drives.	TG/GC
06/06/2016		Replaced rear drive tyres on tandem with spares for run out.	
06/06/2016		Drop Grader tyres at Arno's for replacement Bridgestones.	Arnos
06/06/2016		Refer to Arno's Tyre Service Invoice 152778	Arnos
06/24/2016		Refer to Windscreen Territory Invoice 00011477	Windscreens Territory
06/28/2016	2120	Fit new Bridgestone steer tyres.	TG/GC
06/30/2016	2123	Change out steer tyres.	TG/GC
07/02/2016	2131	Fit new wiper blades. Refer to Repco Invoice 4150256434	TG/GC
07/04/2016		Refer to Hastings Deering Invoice AP300549982	Hastings
07/14/2016	2140	Fit new steer tyres. (Multi directional).	TG/GC
07/25/2016	2149	Front right tyre puncture repair (plugged).	TG/GC
07/28/2016	2152	Clean/wash out radiator, A/C condensor and intercooler.	TG/GC
08/12/2016		Hastings. Check computer codes. Eng temp. All OK.	TG
08/16/2016	2190	Replace edges.	TG/GC
08/18/2016		Repair hyd. leak at front right steering cylinder.	TG/GC
08/22/2016	2226	Refit door glass at L/H door.	GC

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08/29/2016	2272	Adjust blade slides and circle shims.	TG
08/31/2016	2275	250 hrs service.	TG
09/02/2016	2291	Territory Windscreens. Replace LHS door glass window.	TG
11/28/2016		Refer to Hastings Deering Invoice 2010199733	Hastings
11/30/2016	2346	Replace side shift cylinder seal kit.	TG/GC
12/02/2016		Refer to Hastings Deering Invoice 2010208311	Hastings
10/04/2017	2515	Finish 500hr service	GC TG
10/24/2017	2550	Removed and replaced ripper teeth	BO
10/31/2017	2582	Change r/r drive tyre	TG GC BO
01/04/2018	2678	Replaced grating cutting blades	MM BO
03/03/2018	2834	Remove and replace cutting edges	BO MM
03/04/2018	2836	750hr service	BO MM
03/05/2018	2836	Replace trimming edges	BO MM
03/09/2018	2854	Replaced cutting edges	
04/23/2018	2870	Replaced LHR reverse globe	BO MM
06/12/2018	3105	1000hr service completed, clean out belly plates, replace blade slides, moulboard bushes and ping. Adjust lift cylinder caps, replace drive tyres	TG GC
06/25/2018		Complete - Blade mounts bolts, shimmming play in bolts. Circle adjustment. A frame ram shimmming	
08/28/2018	2152	Remove and replace window tinting	TG
09/04/2018	2152	Fit side window wiper motors and components	TG
11/28/2018		Replaced batteries x 2 Part # 1535570	TG
11/29/2018	3134	Replaced batteries	TH
01/19/2019	3198	Change out cutting edge	MM
04/04/2019	3246	250hr service, replace wipers on side windos and doors. Repair LH side window wiper arm mount	TG
11/13/2019	3248	Remove cover inspect for oil leaks, clean & tighten pipe fitting	TG
11/13/2019	3248	Remove hood lining check wiring, find faulty wiper motor, replace wiper motor & re-assemble Tested OK	TG
02/21/2020	3334	Fit spare tyre, take tyre to NT tyres for front right tyre repair	TG/NT Tyres
03/09/2020	3480	Dissassemble and re-seal RH hydraulic lift cylinder	TG SS
03/18/2020	3531	500 hr service complete	TG SS
05/06/2020	3585	Remove and re-seal ripper cylinder; rod and piston, re-assemble	TG SS
05/08/2020	3585	Drain fuel tank, disassemble and remove LH fuel tank, remove fuel guage sender unit and disassemble,	TG SS
05/15/2020	3609	replace fuel sender magnetic guage	TG
06/02/2020	3662	Hastings connected CAT ET to grader, adjust oil visiosity setting and calibrate modulator valve pressures	Hastings, TG
11/19/2020	3710	Replaced cutting edges	SS/BL/JG
11/24/2020	3702	Had been sitting at Nebo for a while. Topped up AC with gas	SS

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12/15/2020	3783	250 hr service - also blew out all filters, change filters, grease all over machine	SS TG
12/15/2020	3783	Re-seal RH lift cylinder, found issue with casing on out cylinder housing	SS TG
01/20/2021	3807	Replaced scarifer teeth on small scarifiers	SS
01/29/2021	3830	Removed injectors to evacuate water in engine	SS TG
03/05/2021	3901	Replaced all wiper blades	SS
03/12/2021	3932	John Fitzpatrick did calibrations on transmission and inching pedal on grader, turned off CAT slping systems	John/SS
05/28/2021			
07/06/2021	3996	Remove and replace trans output seal	TG
07/13/2021	3996	Drill out and oversize broken belly plate bolts	TG
07/14/2021	3996	Completed 4000hr service	TG
01/17/2022	4071	Hydraulic issue, setting off alarm, affecting steering - SRC Code occ act, 27 E794(3) 3 in, 82 E258(3) 6 in,82 E	JF
04/24/2022	4427	Top up engine oil	SS
05/05/2022	4379	Broken circle drive shaft. Replaced drive shaft	TG, SS
05/17/2022	4427	Blade slide wear strips need replacing. Replaced strips.	TG
06/10/2022	4524	500 hr service done. Changed eng oil and filters, fuel, air filters, replaced exhaust leak at turbo	BO, GC
06/28/2022	4535	JN#3135 & JN#3093 - Replaced cutting edges	SS GC
11/18/2022	4662	JN#3260 - Remove & replaced water pump	SS/TG
13/01/2023		Steering Fault alarm refer att TPS Inv 0736	TPS
01/31/2023	4882	As per invoices, replace wiring harnesses, re-calibrated transmission to TDT050W oil. Refer TPS Inv 0756	Dylan, TPS
02/21/2023	4907	250 hr service. Changed oil and filters. Fixed steering fault (serg)	TG, SS
03/16/2023	4952	Replaced batteries	
05/19/2023	5026	1000 hr service, sample engine coolant, hydraulic and trans oils, changed engine oil and filters	TG, SS
06/02/2023	5026	(Part of 1000 hr service) - clean magnetic suction screens, repair bent up belly plates	TG, SS
06/06/2023	5026	(Part of 1000 hr service) - start adjust circle, replace all circle, wear strips	TG, SS
06/08/2023	5028	Replace leaking O ring on suction filter screen	TG, SS
06/15/2023	5028	Adjust clearance in drawbar trunion	TG, SS
06/16/2023	5028	Replace scaripier tips, replace pump discharge hose 308-9532, top up hydraulic oil	TG, SS
07/07/2023	5026	Drain front hub oils, clean up covers and replace LH side, awaiting O ring for other side	
08/15/2023	5033	Set up in workshop to remove side shift cylinder from blade, remove cylinder and disassemble	Workshop
08/16/2023	5033	Re-seal side shift cylinder and refit, found broken blade pivot shaft start removal	Workshop
08/17/2023	5033	Push out RH side pivot pin, set up to remove LH pivot pin	Workshop
08/22/2023	5033	Linish pin and bushes, refit bushes and reassemble blade to circle frame, re-shim and adjust retaining nuts	Workshop
08/28/2023			
	5033	Changed filter. Found swivel shaft twisting under load, disassemble and found shims missing, reassemble with new seals and adjust end clearance with shims, tested acugrade and found working correctly	Workshop



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04/14/2024		2 x Batteries Ref att Hastings Inv 2016610812	Workshop
06/13/2024	5065	Ordered & picked up parts at Hastings Deering, part is reman, need core returned for credit. Have parts, booked in with TPS for screen flash to machine 12/6/24 John Fitzpatrick fitted screen & unloaded flash codes	
09/13/2024		Arctic Fault # 6,7 - 8 gears, remove offset from monitor & re-calibrate refer att TPS Inv 1958	TPS
		Refer to Territory Windscreens Invoice 11968- Supply & fit LH door with tint	Windscreens Territory
	3440	Inspected A/C, no fan, compressor running and cold, possible switch faulty or blower motor	Workshop
02/05/2025		Inspect A/C switch fault, remove control panel from CO084 to test in CO259	Workshop
02/05/2025		Drop off to Betapave for painting, jack up and remove all wheels and sit on stands.	Workshop
02/06/2025	5106	Change over A/C control unit and test, A/C compressor still not coming on	Workshop
02/07/2025	5106	Inspect A/C fault, found low on gas, run back to w/shop and add gas, inspect for leaks, none visible, top up gas and wash out condensor, tested OK, deliver back to Port	Workshop
03/04/2025	3449	Remove and replace left door seal rubber	Workshop
03/11/2025	5110	Repalced cutting edges, clean moulboard with needle guns	Workshop
03/24/2025	5110	Refit bonnet and new side sections, side panels and doors, front engine panel behind cab	Workshop
04/10/2025	5113	Disassemble panels, prep and paint grader, reassemble.	Workshop/Andrew Bates
05/19/2025	5116	Hose blown from articulate point on machine running from back of machine to front valve block. HP fitters x 2 came to Nebo & replaced hoses refer Inv IN107915	SS/HP