

## **Plant & Vehicle Maintenance & Repairs**

Asset Number: CO259 Registration Number: SV3998 Serial Number: CAT0140MCB9D04174

Make: CaterpillarModel: 140M GraderDate 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



## **Plant & Vehicle Maintenance & Repairs**

Model: 140M Grader	CIVII						
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           11/20/2016         Refer to Hastings Deering Invoice 2010208311         Hastings           10/04/2017         2515         Finish 500hr service         GC TG           10/24/2017         2515         Finish 500hr service         GC TG           10/24/2017         2552         Change r/r drive tyre         BD           10/31/2017         2582         Change r/r drive tyre         TG GC BO           10/34/2018         2678         Replaced grating cutting blades         MM BO           30/30/2018         2836         Replace trimming edges         BO MM           30/50/2018         2836         Replace trimming edges         BO MM           04/23/2018         2854         Replaced cutting edges         BO MM           06/12/2018         250r         Replaced cutting edges         BO MM           06/12/2018         250r         Replaced batteries         BO MM           06/12/2	Asset Number: CO259		Registration Number: SV3998 Serial Number: CAT0140MCB9D04174				
1987   2275   250 hrs service.   TG	Make: Caterpillar		Model: 140M Grader Date of Manufacture: 2	2013			
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         2580         Removed and replaced ripper teeth         BO           10/13/2017         2582         Change r/r drive tyre         TG GC BO           10/04/2018         2678         Replaced grating cutting blades         MM BO           03/04/2018         2836         Replaced rimming edges         BO MM           03/05/2018         2836         Replaced trimming edges         BO MM           03/05/2018         2854         Replaced LHR reverse globe         BO MM           04/23/2018         2879         Replaced LHR reverse globe         BO MM           06/25/2018         Complete - Blade mounts bolts, shimming play in bolts. Circle adjustment. A frame ram shimming         TG GC           06/25/2018         Complete - Blade mounts bolts, shimming play in bolts. Circle adjustment. A frame ram shimming         TG           08/	08/29/2016	2272	Adjust blade slides and circle shims.	TG			
11/28/2016	08/31/2016	2275	250 hrs service.	TG			
11/30/2016   2346   Replace side shift cylinder seal kit.   TG/GC	09/02/2016	2291	Territory Windscreens. Replace LHS door glass window.	TG			
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 CB BO 10/31/2018 2678 Replaced gatting cutting blades MM BO 30/03/2018 2834 Remove and replace cutting edges BO MM 30/04/2018 2836 750hr service Replaced LHR reverse globe BO MM 30/04/2018 2854 Replaced LHR reverse globe BO MM 03/09/2018 2857 Replaced LHR reverse globe BO MM 06/12/2018 2870 Replaced LHR reverse globe BO MM 06/12/2018 2870 Replaced LHR reverse globe BO MM 06/12/2018 2870 Replaced LHR reverse globe Tolon to the strength of the streng	11/28/2016		Refer to Hastings Deering Invoice 2010199733	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           03/05/2018         2836         Replaced trimming edges         BO MM           03/05/2018         2836         Replaced cutting edges         BO MM           03/05/2018         2836         Replaced LHR reverse globe         BO MM           03/05/2018         2836         Replaced LHR reverse globe         BO MM           03/05/2018         2854         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         2152         Remove and replace window tinting         TG           08/28/2018         2152         Remove and replace window tinting         TG           11/28/2018         2152         Remove and replace window wiper motors and components         TG	11/30/2016	2346	Replace side shift cylinder seal kit.	TG/GC			
10/24/2017 2550 Removed and replaced ripper teeth 10/31/2017 2550 Change r/r drive tyre 10/31/2017 2552 Change r/r drive tyre 10/31/2018 2678 Replaced grating cutting blades 10/30/32018 2834 Remove and replace cutting edges 10/30/32018 2835 750hr service 10/30/30/2018 2836 750hr service 10/30/30/2018 2836 Replaced cutting edges 10/30/30/2018 2837 Replaced cutting edges 10/30/30/2018 2854 Replaced cutting edges 10/30/30/2018 2870 Replaced cutting edges 10/30/2018 2870 Replaced cutting edges 10/30/30/2018 2870 Replaced cutting edges 10/30/30/30/30/30/30/30/30/30/30/30/30/30	12/02/2016		Refer to Hastings Deering Invoice 2010208311	Hastings			
10/31/2017 2582 Change r/r drive tyre TG GC BO 01/04/2018 2678 Replaced grating cutting blades MM BO 33/03/2018 2834 Remove and replace cutting edges BO MM 03/04/2018 2836 750hr service BO MM 03/05/2018 2835 Replaced cutting edges BO MM 03/05/2018 2835 Replaced cutting edges BO MM 03/05/2018 2836 Replaced cutting edges BO MM 03/05/2018 2835 Replaced cutting edges BO MM 03/05/2018 2835 Replaced cutting edges BO MM 06/12/2018 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 Complete - Blade mounts bolts, shimming play in bolts. Circle adjustment. A frame ram shimming TG 09/04/2018 2152 Remove and replace window tinting TG 09/04/2018 2152 Remove and replace window tinting Replaced batteries x 2 Part # 1535570 TG 11/28/2018 Replaced batteries x 2 Part # 1535570 TG 11/28/2018 TG 11/28/2018 Replaced batteries x 2 Part # 1535570 TG 11/13/2019 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 20/21/2020 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 3585 D5/06/2020 3585 Remove and re-seal ripper cylinder; rod and piston, re-assemble TG TG TG S5 05/06/2020 3585 Drain fuel tank, disassemble and remove LH fuel tank, remove fuel guage sender unit and disassemble, TG S6 05/05/2020 3662 Hastings connected CAT ET to grader, adjust oil visiosity setting and calibrate modulator valve pressures Hastings, TG	10/04/2017	2515	Finish 500hr service	GC TG			
01/04/20182678Replaced grating cutting bladesMM BO03/03/20182834Remove and replace cutting edgesBO MM03/04/20182836750hr serviceBO MM03/05/20182836Replace trimming edgesBO MM03/09/20182854Replaced cutting edgesBO MM03/09/20182854Replaced LHR reverse globeBO MM06/12/201831051000hr service completed, clean out belly plates, replace blade slides, moulboard bushes and ping. Adjust lift cylinder caps, replace drive tyresTG GC06/25/2018Complete - Blade mounts bolts, shimming play in bolts. Circle adjustment. A frame ram shimmingTG08/28/20182152Remove and replace window tintingTG09/04/20182152Fit side window wiper motors and componentsTG11/28/2018Replaced batteries x 2 Part # 1535570TG11/29/20193198Change out cutting edgeMM04/04/20193246250hr service, replace wipers on side windos and doors. Repair LH side window wiper arm mountTG11/13/20193248Remove bood lining check wiring, find faulty wiper motor, replace wiper motor & re-assemble Tested OKTG02/21/20203334Fit spare tyre, take tyre to NT tyres for front right tyre repairTG/NT Tyres03/09/20203480Dissassemble and re-seal RH hydraulic lift cylinderTG SS05/06/20203585Remove and re-seal ripper cylinder; rod and piston, re-assembleTG SS05/06/20203585Porain fuel tank, disassemble and remove LH fuel tank, re	10/24/2017	2550	Removed and replaced ripper teeth	ВО			
03/03/20182834Remove and replace cutting edgesBO MM03/04/20182836750hr serviceBO MM03/05/20182836Replacet trimming edgesBO MM03/09/20182854Replaced cutting edgesBO MM04/23/20182870Replaced LHR reverse globeBO MM06/12/20181000hr service completed, clean out belly plates, replace blade slides, moulboard bushes and ping. Adjust lift cylinder caps, replace drive tyresTG GC06/25/2018Complete - Blade mounts bolts, shimming play in bolts. Circle adjustment. A frame ram shimmingTG08/28/20182152Remove and replace window tintingTG11/28/2018Replaced batteries x 2 Part # 1535570TG11/28/2018Replaced batteries x 2 Part # 1535570TG11/29/20183134Replaced batteriesTH04/04/20193198Change out cutting edgeMM04/04/20193246250hr service, replace wipers on side windos and doors. Repair LH side window wiper arm mountTG11/13/20193248Remove cover inspect for oil leaks, clean & tighten pipe fittingTG11/13/20193248Remove hood lining check wiring, find faulty wiper motor, replace wiper motor & re-assemble Tested OKTG02/21/20203334Fit spare tyre, take tyre to NT tyres for front right tyre repairTG/MT Tyres03/09/20203480Dissassemble and re-seal RH hydraulic lift cylinderTG SS05/06/20203585Remove and re-seal ripper cylinder; rod and piston, re-assembleTG SS05/06/2020<	10/31/2017	2582	Change r/r drive tyre	TG GC BO			
03/04/20182836750hr serviceBO MM03/05/20182836Replace trimming edgesBO MM03/09/20182854Replaced cutting edgesBO MM06/12/20182870Replaced LHR reverse globeBO MM06/12/201831051000hr service completed, clean out belly plates, replace blade slides, moulboard bushes and ping. Adjust lift cylinder caps, replace drive tyresTG GC06/25/2018Complete - Blade mounts bolts, shimming play in bolts. Circle adjustment. A frame ram shimmingTG08/28/20182152Remove and replace window tintingTG09/04/20182152Fit side window wiper motors and componentsTG11/28/2018Replaced batteries x 2 Part # 1535570TG11/29/20183134Replaced batteries x 2 Part # 1535570TH01/19/20193198Change out cutting edgeMM04/04/20193246250hr service, replace wipers on side windos and doors. Repair LH side window wiper arm mountTG11/13/20193248Remove hood lining check wiring, find faulty wiper motor, replace wiper motor & re-assemble Tested OKTG02/21/20203334Fit spare tyre, take tyre to NT tyres for front right tyre repairTG/NT Tyres03/09/20203480Dissassemble and re-seal RH hydraulic lift cylinderTG/SS05/06/20203585Remove and re-seal ripper cylinder; rod and piston, re-assembleTG/SS05/06/20203662Hastings connected CAT ET to grader, adjust oil visiosity setting and calibrate modulator valve pressuresHastings, TG <td>01/04/2018</td> <td>2678</td> <td>Replaced grating cutting blades</td> <td>MM BO</td>	01/04/2018	2678	Replaced grating cutting blades	MM BO			
03/05/20182836Replace trimming edgesBO MM03/09/20182854Replaced cutting edges04/23/20182870Replaced LHR reverse globeBO MM06/12/201831051000hr service completed, clean out belly plates, replace blade slides, moulboard bushes and ping. Adjust lift cylinder caps, replace drive tyresTG GC06/25/2018Complete - Blade mounts bolts, shimming play in bolts. Circle adjustment. A frame ram shimmingTG08/28/20182152Remove and replace window tintingTG11/28/2018Replaced batteries x 2 Part # 1535570TG11/29/20183134Replaced batteries x 2 Part # 1535570TG11/29/20193198Change out cutting edgeMM04/04/20193246250hr service, replace wipers on side windos and doors. Repair LH side window wiper arm mountTG11/13/20193248Remove cover inspect for oil leaks, clean & tighten pipe fittingTG11/13/20193248Remove hood lining check wiring, find faulty wiper motor, replace wiper motor & re-assemble Tested OKTG02/21/20203334Fit spare tyre, take tyre to NT tyres for front right tyre repairTG/NT Tyres03/09/20203480Dissassemble and re-seal RH hydraulic lift cylinderTG SS05/06/20203585Remove and re-seal ripper cylinder; rod and piston, re-assembleTG SS05/08/20203585Drain fuel tank, disassemble and remove LH fuel tank, remove fuel guage sender unit and disassemble,TG SS05/05/20203662Hastings connected CAT ET to grader, adjust oil visiosit	03/03/2018	2834	Remove and replace cutting edges	BO MM			
03/09/20182854Replaced cutting edges04/23/20182870Replaced LHR reverse globeBO MM06/12/201831051000hr service completed, clean out belly plates, replace blade slides, moulboard bushes and ping. Adjust lift cylinder caps, replace drive tyresTG GC06/25/2018Complete - Blade mounts bolts, shimming play in bolts. Circle adjustment. A frame ram shimmingTG08/28/20182152Remove and replace window tintingTG09/04/20182152Fit side window wiper motors and componentsTG11/28/2018Replaced batteries x 2 Part # 1535570TG11/29/20183134Replaced batteries x 2 Part # 1535570TH04/04/20193198Change out cutting edgeMM04/04/20193246250hr service, replace wipers on side windos and doors. Repair LH side window wiper arm mountTG11/13/20193248Remove cover inspect for oil leaks, clean & tighten pipe fittingTG11/13/20193248Remove hood lining check wiring, find faulty wiper motor, replace wiper motor & re-assemble Tested OKTG02/21/20203334Fit spare tyre, take tyre to NT tyres for front right tyre repairTG/NT Tyres03/09/20203480Dissassemble and re-seal RH hydraulic lift cylinderTG/SS05/06/20203585Remove and re-seal ripper cylinder; rod and piston, re-assembleTG/SS05/08/20203585Drain fuel tank, disassemble and remove LH fuel tank, remove fuel guage sender unit and disassemble,TG/SS05/15/20203662Hastings connected CAT ET to grader, a	03/04/2018	2836	750hr service	BO MM			
04/23/20182870Replaced LHR reverse globeBO MM06/12/201831051000hr service completed, clean out belly plates, replace blade slides, moulboard bushes and ping. Adjust lift cylinder caps, replace drive tyresTG GC06/25/2018Complete - Blade mounts bolts, shimming play in bolts. Circle adjustment. A frame ram shimmingTG08/28/20182152Remove and replace window tintingTG09/04/20182152Fit side window wiper motors and componentsTG11/28/2018Replaced batteries x 2 Part # 1535570TG11/29/20183134Replaced batteries x 2 Part # 1535570TH01/19/20193198Change out cutting edgeMM04/04/20193246250hr service, replace wipers on side windos and doors. Repair LH side window wiper arm mountTG11/13/20193248Remove cover inspect for oil leaks, clean & tighten pipe fittingTG11/13/20193248Remove hood lining check wiring, find faulty wiper motor, replace wiper motor & re-assemble Tested OKTG02/21/20203334Fit spare tyre, take tyre to NT tyres for front right tyre repairTG/NT Tyres03/09/20203480Dissassemble and re-seal RH hydraulic lift cylinderTG SS05/06/20203585Remove and re-seal ripper cylinder; rod and piston, re-assembleTG SS05/08/20203585Drain fuel tank, disassemble and remove LH fuel tank, remove fuel guage sender unit and disassemble,TG SS05/15/20203662Hastings connected CAT ET to grader, adjust oil visiosity setting and calibrate modulator valve pressures	03/05/2018	2836	Replace trimming edges	BO MM			
1000hr service completed, clean out belly plates, replace blade slides, moulboard bushes and ping. Adjust lift cylinder caps, replace drive tyres Complete - Blade mounts bolts, shimming play in bolts. Circle adjustment. A frame ram shimming Complete - Blade mounts bolts, shimming play in bolts. Circle adjustment. A frame ram shimming Replaced blatter is grade in the specific plant is grade in the specific plant in the specific plant is grade in the specific plant in the specific plant is grade in the specific plant in the specific plant is grade in the specific plant in the specific plant is grade in the specific plant in the specific plant is grade in the specific plant in the specific plant is grade in the specific plant in the speci	03/09/2018	2854	Replaced cutting edges				
cylinder caps, replace drive tyres  Complete - Blade mounts bolts, shimming play in bolts. Circle adjustment. A frame ram shimming  88/28/2018 2152 Remove and replace window tinting  09/04/2018 2152 Fit side window wiper motors and components  TG  11/28/2018 Replaced batteries x 2 Part # 1535570  11/29/2018 3134 Replaced batteries x 2 Part # 1535570  11/29/2019 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  11/13/2019 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  03/09/2020 3480 Dissassemble and re-seal RH hydraulic lift cylinder  TG SS  05/06/2020 3585 Remove and re-seal ripper cylinder; rod and piston, re-assemble  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 3662 Hastings connected CAT ET to grader, adjust oil visiosity setting and calibrate modulator valve pressures	04/23/2018	2870	Replaced LHR reverse globe	BO MM			
08/28/20182152Remove and replace window tintingTG09/04/20182152Fit side window wiper motors and componentsTG11/28/2018Replaced batteries x 2 Part # 1535570TG11/29/20183134Replaced batteriesTH01/19/20193198Change out cutting edgeMM04/04/20193246250hr service, replace wipers on side windos and doors. Repair LH side window wiper arm mountTG11/13/20193248Remove cover inspect for oil leaks, clean & tighten pipe fittingTG11/13/20193248Remove hood lining check wiring, find faulty wiper motor, replace wiper motor & re-assemble Tested OKTG02/21/20203334Fit spare tyre, take tyre to NT tyres for front right tyre repairTG/NT Tyres03/09/20203480Dissassemble and re-seal RH hydraulic lift cylinderTG SS03/18/20203531500 hr service completeTG SS05/06/20203585Remove and re-seal ripper cylinder; rod and piston, re-assembleTG SS05/08/20203585Drain fuel tank, disassemble and remove LH fuel tank, remove fuel guage sender unit and disassemble,TG SS05/15/20203609replace fuel sender magnetic guageTG06/02/20203662Hastings connected CAT ET to grader, adjust oil visiosity setting and calibrate modulator valve pressuresHastings, TG	06/12/2018	3105		TG GC			
08/28/20182152Remove and replace window tintingTG09/04/20182152Fit side window wiper motors and componentsTG11/28/2018Replaced batteries x 2 Part # 1535570TG11/29/20183134Replaced batteriesTH01/19/20193198Change out cutting edgeMM04/04/20193246250hr service, replace wipers on side windos and doors. Repair LH side window wiper arm mountTG11/13/20193248Remove cover inspect for oil leaks, clean & tighten pipe fittingTG11/13/20193248Remove hood lining check wiring, find faulty wiper motor, replace wiper motor & re-assemble Tested OKTG02/21/20203334Fit spare tyre, take tyre to NT tyres for front right tyre repairTG/NT Tyres03/09/20203480Dissassemble and re-seal RH hydraulic lift cylinderTG SS03/18/20203531500 hr service completeTG SS05/06/20203585Remove and re-seal ripper cylinder; rod and piston, re-assembleTG SS05/08/20203585Drain fuel tank, disassemble and remove LH fuel tank, remove fuel guage sender unit and disassemble,TG SS05/15/20203609replace fuel sender magnetic guageTG06/02/20203662Hastings connected CAT ET to grader, adjust oil visiosity setting and calibrate modulator valve pressuresHastings, TG	06/25/2018						
09/04/20182152Fit side window wiper motors and componentsTG11/28/2018Replaced batteries x 2 Part # 1535570TG11/29/20183134Replaced batteriesTH01/19/20193198Change out cutting edgeMM04/04/20193246250hr service, replace wipers on side windos and doors. Repair LH side window wiper arm mountTG11/13/20193248Remove cover inspect for oil leaks, clean & tighten pipe fittingTG11/13/20193248Remove hood lining check wiring, find faulty wiper motor, replace wiper motor & re-assemble Tested OKTG02/21/20203334Fit spare tyre, take tyre to NT tyres for front right tyre repairTG/NT Tyres03/09/20203480Dissassemble and re-seal RH hydraulic lift cylinderTG SS03/18/20203531500 hr service completeTG SS05/06/20203585Remove and re-seal ripper cylinder; rod and piston, re-assembleTG SS05/08/20203585Drain fuel tank, disassemble and remove LH fuel tank, remove fuel guage sender unit and disassemble,TG SS05/15/20203609replace fuel sender magnetic guageTG06/02/20203662Hastings connected CAT ET to grader, adjust oil visiosity setting and calibrate modulator valve pressuresHastings, TG		2152		TG			
11/28/2018Replaced batteries x 2 Part # 1535570TG11/29/20183134Replaced batteriesTH01/19/20193198Change out cutting edgeMM04/04/20193246250hr service, replace wipers on side windos and doors. Repair LH side window wiper arm mountTG11/13/20193248Remove cover inspect for oil leaks, clean & tighten pipe fittingTG11/13/2019Remove hood lining check wiring, find faulty wiper motor, replace wiper motor & re-assemble Tested OKTG02/21/20203334Fit spare tyre, take tyre to NT tyres for front right tyre repairTG/NT Tyres03/09/20203480Dissassemble and re-seal RH hydraulic lift cylinderTG SS03/18/20203531500 hr service completeTG SS05/06/20203585Remove and re-seal ripper cylinder; rod and piston, re-assembleTG SS05/08/20203585Drain fuel tank, disassemble and remove LH fuel tank, remove fuel guage sender unit and disassemble,TG SS05/15/20203609replace fuel sender magnetic guageTG06/02/20203662Hastings connected CAT ET to grader, adjust oil visiosity setting and calibrate modulator valve pressuresHastings, TG		2152	Fit side window wiper motors and components	TG			
11/29/20183134Replaced batteriesTH01/19/20193198Change out cutting edgeMM04/04/20193246250hr service, replace wipers on side windos and doors. Repair LH side window wiper arm mountTG11/13/20193248Remove cover inspect for oil leaks, clean & tighten pipe fittingTG11/13/20193248Remove hood lining check wiring, find faulty wiper motor, replace wiper motor & re-assemble Tested OKTG02/21/20203334Fit spare tyre, take tyre to NT tyres for front right tyre repairTG/NT Tyres03/09/20203480Dissassemble and re-seal RH hydraulic lift cylinderTG SS03/18/20203531500 hr service completeTG SS05/06/20203585Remove and re-seal ripper cylinder; rod and piston, re-assembleTG SS05/08/20203585Drain fuel tank, disassemble and remove LH fuel tank, remove fuel guage sender unit and disassemble,TG SS05/15/20203609replace fuel sender magnetic guageTG06/02/20203662Hastings connected CAT ET to grader, adjust oil visiosity setting and calibrate modulator valve pressuresHastings, TG			Replaced batteries x 2 Part # 1535570	TG			
01/19/20193198Change out cutting edgeMM04/04/20193246250hr service, replace wipers on side windos and doors. Repair LH side window wiper arm mountTG11/13/20193248Remove cover inspect for oil leaks, clean & tighten pipe fittingTG11/13/20193248Remove hood lining check wiring, find faulty wiper motor, replace wiper motor & re-assemble Tested OKTG02/21/20203334Fit spare tyre, take tyre to NT tyres for front right tyre repairTG/NT Tyres03/09/20203480Dissassemble and re-seal RH hydraulic lift cylinderTG SS03/18/20203531500 hr service completeTG SS05/06/20203585Remove and re-seal ripper cylinder; rod and piston, re-assembleTG SS05/08/20203585Drain fuel tank, disassemble and remove LH fuel tank, remove fuel guage sender unit and disassemble,TG SS05/15/20203609replace fuel sender magnetic guageTG06/02/20203662Hastings connected CAT ET to grader, adjust oil visiosity setting and calibrate modulator valve pressuresHastings, TG		3134	Replaced batteries	TH			
04/04/20193246250hr service, replace wipers on side windos and doors. Repair LH side window wiper arm mountTG11/13/20193248Remove cover inspect for oil leaks, clean & tighten pipe fittingTG11/13/20193248Remove hood lining check wiring, find faulty wiper motor, replace wiper motor & re-assemble Tested OKTG02/21/20203334Fit spare tyre, take tyre to NT tyres for front right tyre repairTG/NT Tyres03/09/20203480Dissassemble and re-seal RH hydraulic lift cylinderTG SS03/18/20203531500 hr service completeTG SS05/06/20203585Remove and re-seal ripper cylinder; rod and piston, re-assembleTG SS05/08/20203585Drain fuel tank, disassemble and remove LH fuel tank, remove fuel guage sender unit and disassemble,TG SS05/15/20203609replace fuel sender magnetic guageTG06/02/20203662Hastings connected CAT ET to grader, adjust oil visiosity setting and calibrate modulator valve pressuresHastings, TG		3198	Change out cutting edge	MM			
11/13/2019 3248 Remove hood lining check wiring, find faulty wiper motor, replace wiper motor & re-assemble Tested OK 02/21/2020 3334 Fit spare tyre, take tyre to NT tyres for front right tyre repair 03/09/2020 3480 Dissassemble and re-seal RH hydraulic lift cylinder 03/18/2020 3531 500 hr service complete 05/06/2020 3585 Remove and re-seal ripper cylinder; rod and piston, re-assemble 05/08/2020 3585 Drain fuel tank, disassemble and remove LH fuel tank, remove fuel guage sender unit and disassemble, 05/15/2020 3609 replace fuel sender magnetic guage 06/02/2020 3662 Hastings connected CAT ET to grader, adjust oil visiosity setting and calibrate modulator valve pressures Hastings, TG		3246		TG			
3248Remove mood liming check wiring, find radity wiper motor, replace wiper motor & re-assemble Tested OKTG02/21/20203334Fit spare tyre, take tyre to NT tyres for front right tyre repairTG/NT Tyres03/09/20203480Dissassemble and re-seal RH hydraulic lift cylinderTG SS03/18/20203531500 hr service completeTG SS05/06/20203585Remove and re-seal ripper cylinder; rod and piston, re-assembleTG SS05/08/20203585Drain fuel tank, disassemble and remove LH fuel tank, remove fuel guage sender unit and disassemble,TG SS05/15/20203609replace fuel sender magnetic guageTG06/02/20203662Hastings connected CAT ET to grader, adjust oil visiosity setting and calibrate modulator valve pressuresHastings, TG	11/13/2019	3248	Remove cover inspect for oil leaks, clean & tighten pipe fitting	TG			
03/09/20203480Dissassemble and re-seal RH hydraulic lift cylinderTG SS03/18/20203531500 hr service completeTG SS05/06/20203585Remove and re-seal ripper cylinder; rod and piston, re-assembleTG SS05/08/20203585Drain fuel tank, disassemble and remove LH fuel tank, remove fuel guage sender unit and disassemble,TG SS05/15/20203609replace fuel sender magnetic guageTG06/02/20203662Hastings connected CAT ET to grader, adjust oil visiosity setting and calibrate modulator valve pressuresHastings, TG	11/13/2019	3248	Remove hood lining check wiring, find faulty wiper motor, replace wiper motor & re-assemble Tested OK	TG			
03/09/20203480Dissassemble and re-seal RH hydraulic lift cylinderTG SS03/18/20203531500 hr service completeTG SS05/06/20203585Remove and re-seal ripper cylinder; rod and piston, re-assembleTG SS05/08/20203585Drain fuel tank, disassemble and remove LH fuel tank, remove fuel guage sender unit and disassemble,TG SS05/15/20203609replace fuel sender magnetic guageTG06/02/20203662Hastings connected CAT ET to grader, adjust oil visiosity setting and calibrate modulator valve pressuresHastings, TG	02/21/2020	3334	Fit spare tyre, take tyre to NT tyres for front right tyre repair	TG/NT Tyres			
03/18/20203531500 hr service completeTG SS05/06/20203585Remove and re-seal ripper cylinder; rod and piston, re-assembleTG SS05/08/20203585Drain fuel tank, disassemble and remove LH fuel tank, remove fuel guage sender unit and disassemble,TG SS05/15/20203609replace fuel sender magnetic guageTG06/02/20203662Hastings connected CAT ET to grader, adjust oil visiosity setting and calibrate modulator valve pressuresHastings, TG		3480					
05/06/20203585Remove and re-seal ripper cylinder; rod and piston, re-assembleTG SS05/08/20203585Drain fuel tank, disassemble and remove LH fuel tank, remove fuel guage sender unit and disassemble,TG SS05/15/20203609replace fuel sender magnetic guageTG06/02/20203662Hastings connected CAT ET to grader, adjust oil visiosity setting and calibrate modulator valve pressuresHastings, TG							
05/08/20203585Drain fuel tank, disassemble and remove LH fuel tank, remove fuel guage sender unit and disassemble,TG SS05/15/20203609replace fuel sender magnetic guageTG06/02/20203662Hastings connected CAT ET to grader, adjust oil visiosity setting and calibrate modulator valve pressuresHastings, TG		3585		TG SS			
05/15/20203609replace fuel sender magnetic guageTG06/02/20203662Hastings connected CAT ET to grader, adjust oil visiosity setting and calibrate modulator valve pressuresHastings, TG		3585					
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							

EASTARM Plant & Vehicle Maintenance & Repairs						
Asset Number: CO259		Registration Number: SV3998 Serial Number: CAT0140MCB9D04174	Serial Number: CAT0140MCB9D04174			
Make: Caterpillar		Model: 140M Grader Date of Manufacture: 201	13			
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 scarifers	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			
00/47/0000	FAGG	D. L. I. DULLING THE STATE OF T				

Linish pin and bushes, refit bushes and reassemble blade to circle frame, re-shim and adjust retaining nuts

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

Workshop

Workshop

Push out RH side pivot pin, set up to remove LH pivot pin

08/17/2023

08/22/2023

08/28/2023

5033

5033

5033

EASTARM CIVII		Plant & Vehicle Maintenance & Repairs		
Asset Number: CC	D259	Registration Number: SV3998 Serial Number: CAT0140MCB9D04174		
Make: Caterpillar		Model: 140M Grader Date of Manufacture:	20	013
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 Fitspatric fitted screen & unloaded flash or		
09/13/2024		Arctic Fault # 6,7 - 8 gears, remove offset from monitor & re-calibrate refer att TPS Inv 1958	1111-5	TPS
		Refer to Territory Windscreens Invoice 11968- Supply & fit LH door with tint	٧	Vindscreens 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		Inspect A/C fault, found low on gas, run back to w/shop and add gas, inspect for leaks, none visible, top	up	Markshan
	5106	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.	No	orkshop/Andrew Bates
05/19/2025	_	Hose blown from articulate point on machine running from back of machine to front valve block. HP fitters x 2 car	ne to	CC/UD
	5116	Nebo & replaced hoses refer Inv IN107915		SS/HP