



HEAVY EQUIPMENT REPAIRS

SERVICE REPORT

CUSTOMER:

Bitu-mill Pty Ltd
133 METROLINK CCT
CAMPBELLFIELD VIC 3061
08 8347 2903

Date:

Fri 12 Apr 2024

Job Number:

1103

Purchase Order Number:

Y204

Archer Heavy Equipment

Repairs Pty Ltd

PO BOX 1337

Golden Grove SA 5125

ACN: 634 143 892

A/C Auth: AU47242

0484 272 437

admin@aher.com.au

Job: 4000HR service

Customer Instruction: 4000HR service
Replace Broken Fan Shroud

Asset

Asset A-170089 Skid Steer			
Customer ref	Y204	Serial number	CAT0246DCAH600518
Make	CAT	Model number	246D3

Skid Steer Service Inspection	
Date	10th Apr 2024
Completed by	Eamonn Lally

Work completed

Completed 4,000 hour service, changed engine oil, hydraulic oil and casechain oil, replaced engine oil filter, hydraulic oil filter and fuel filter. Replaced hydraulic breather, A/C pre clean filter, cabin filter, inner and outer air filter. Tuned engine, re-inflated tyres, greased and replaced both headlight parking bulbs.

Hours	3891.4
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	Answer
Interior Lights & Warning Lights/Alarms	OK
Head Lights, Tail Lights & Work Lights	OK
Indicators & Hazard Lights	OK
Flashing Light/s	OK
Horn	OK
Seat Belt	OK
Seat	OK
HVAC System Including Filters	OK
Reversing Camera	OK
Reversing Lights & Alarm	OK
Two Way Radio	OK
Shutdown Systems & Emergency Stops	OK
Windows/Windcreens & Mirrors	OK
Windscreen Washers and Wipers	OK
Door Handles, Grabrails & Steps	OK
Battery Charge Rate & Mounting	OK
Battery Terminals & Wiring	OK
Equipment Wiring Harness	OK
Grease System Operation & Condition	OK

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.	Answer
Pre-Cleaner Condition	OK
Air Filter Condition	OK
Engine Oil Level & Leaks	OK
Coolant Level, Leaks & Radiator Cleanliness	OK
Chain Case Level & Leaks	OK
Final Drive/Duo Seal Oil Levels & Leaks	OPERATIONAL-SIGNS OF WEAR
Hydraulic Oil Level & Leaks	OK
Fuel System Leaks	OK
Intake System Clamp Security & Condition	OK
Exhaust System Condition & Leaks	OK
Drive & Accessory Belts Tension & Condition	OK
Hydraulic Pumps, Valving & Hose Condition	OK
Alternator Mounting	OK
Starter Motor Mounting	OK
A/C Compressor Mounting	OK
Engine Fan Mounting & Condition	OK
Engine Mounts	OK
ROPS Mounts	OK
Cabin Mounts	OK

.	Answer
Fuel Tank Mounts	OK
Hydraulic Tank Mounts	OK
Radiator/Cooling Pack Mounts	OK
Chassis & Frame Cracks/Loose Bolts	OPERATIONAL-SIGNS OF WEAR
Boom Cylinders Movement & Condition	OPERATIONAL-SIGNS OF WEAR
Tilt Cylinder/s Movement & Condition	OPERATIONAL-SIGNS OF WEAR
4 IN 1 Cylinders Movement & Condition	NOT APPLICABLE
Boom Pin Movement	OPERATIONAL-SIGNS OF WEAR
Tilt Linkage Movement	OPERATIONAL-SIGNS OF WEAR
Quick Hitch Movement & Condition	OK
Bucket Pin Movement	NOT APPLICABLE
Track Condition & Adjustment	NOT APPLICABLE
Rollers, Idlers & Sprockets Condition	NOT APPLICABLE
Tyre/Rim Condition & Pressure	OPERATIONAL-SIGNS OF WEAR
Wheel Nut Tension	OK
Bucket Condition	NOT APPLICABLE
G.E.T. Condition	NOT APPLICABLE
Fire Extinguisher	OK
Service Sticker	☒

Comments

Defect D-2344 for A-170089			Status: New
... — Boom Cylinders Movement & Condition			
Raised by Eamonn Lally	10/04/2024 11:51 AM	Priority	Medium

DEFECT DESCRIPTION

Excessive wear on barrel and rod end of boom cylinders on both sides

DEFECT IMAGES



Defect D-2345 for A-170089			Status: New
... — Boom Pin Movement			
Raised by Eamonn Lally	10/04/2024 11:54 AM	Priority	Critical

DEFECT DESCRIPTION

Boom pin has wear on both ends

DEFECT IMAGES



... — Chassis & Frame Cracks/Loose Bolts

Raised by Eamonn Lally	10/04/2024 01:14 PM	Priority	Critical
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DEFECT DESCRIPTION

Dent on right boom cylinder and left side of engine bay door

DEFECT IMAGES



.. — Final Drive/Duo Seal Oil Levels & Leaks

Raised by Eamonn Lally	10/04/2024 01:11 PM	Priority	Medium
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DEFECT DESCRIPTION

Both duos leaking/weeping

DEFECT IMAGES



Defect D-2343 for A-170089			Status: New
... — Tilt Cylinder/s Movement & Condition			
Raised by Eamonn Lally	10/04/2024 11:49 AM	Priority	Medium

DEFECT DESCRIPTION

Excessive wear on barrel and rod end of tilt cylinder on both sides

DEFECT IMAGES



Defect D-2346 for A-170089			Status: New
... — Tilt Linkage Movement			
Raised by Eamonn Lally	10/04/2024 11:57 AM	Priority	Critical

DEFECT DESCRIPTION

Tilt link has wear on both sides

DEFECT IMAGES



... — Tyre/Rim Condition & Pressure

Raised by Eamonn Lally	10/04/2024 11:58 AM	Priority	Critical
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DEFECT DESCRIPTION

Rear tyres low on tread

DEFECT IMAGES



Engine Tune	
Date	10th Apr 2024
Completed by	Eamonn Lally

Work completed

Completed engine tune, all valves were loose may be related to deeper issue

Engine Valve Lash Check

Inspect/Adjust engine valve clearances as per OEM instructions

Cylinder	Intake	Exhaust	Injector	Exhaust Brake
Cylinder 1	LOOSE	LOOSE		
Cylinder 2	LOOSE	LOOSE		
Cylinder 3	LOOSE	LOOSE		
Cylinder 4	LOOSE	LOOSE		
Cylinder 5				
Cylinder 6				
Cylinder 7				
Cylinder 8				
Cylinder 9				
Cylinder 10				
Cylinder 11				
Cylinder 12				

Valve Adjustments

	Answer
Adjust all valves back within OEM specification	YES
Replaced rocker cover gasket	NO

Signatures

Date	Name	Signature	Photo
10/04/2024	Eamonn Lally		

Job Report	
Date	10th Apr 2024
Completed by	Angus Elliott

Work completed

Removed hydraulic radiator fan Unbolted fan shroud Installed new fan should Refitted fan - zip tied cables/lines out of way Packed up

Hours/Kilometres	3891hrs
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Job Images

