

TA Hydraulic SN Prefix MFJ

TA1

● 0 ● 1 ● 82 ● 3

Inspectienummer	13414740	Werkorder	sca014730
Maken	CATERPILLAR	Voltooid op	13-7-2023 15:08:14
Serienummer	MFJ00234	Inspecteur	Tonny van Eeten
Model	326	PDF gegenereerd op	13-7-2023
Uitrustings familie	EXCAVATORS	SMU	1952 Uren
Plaats	Vuren	coördinaten	0, 0, 0
Inspector			

General Info & Comments

● General info/Comments

NORMAL





Prepare Machine for Inspection

- 1.1 Check with customer for operator complaints NORMAL

- 1.2 Perform machine inspection preparation NORMAL

- 1.3 Download machine fault codes PASS

- 1.4 Is the machine software including Product Link & VIMS Config files current with what is published in SIS? YES

- 1.5 Check Product Link YES

- 1.6 Observe engine exhaust colors NORMAL

- 1.7 Listen for unusual noises NORMAL

- 1.8 Lockout / Tagout Machine YES

Lower Level Inspection

- 2.1 Final drives and sprockets NORMAL

- 2.2 Travel Motor & Brake Valve NORMAL

- 2.3 Track Adjuster NORMAL

- 2.4 Carrier Rollers NORMAL

●	2.5 Track Rollers	NORMAL
●	2.6 Front Idlers	NORMAL
●	2.7 Track Guides	NORMAL
●	2.8 Track Shoes	NORMAL
●	2.9 Track Links, Pins, & Bushings	NORMAL
●	2.10 Track Roller Frame & Carbody	NORMAL
●	2.11 Engine Oil Pan	NORMAL

Middle Level Inspection

●	3.1 Cab Exterior	NORMAL
●	3.2 Cab Interior	NORMAL
●	3.3 Steps & Handrails	MONITOR



Image Comment(s):Left side

Image Comment(s):Left side

Image Comment(s):Right side

●	3.4 Work Lights	NORMAL
●	3.5 Check Engine Speed Control	PASS

3.5.1 High Idle

3.5.2 Low Idle

● 3.6 Air Cleaner and Air Filter Service Indicator	NORMAL
● 3.7 Battery & Cables	NORMAL
● 3.8 Radiator, Air Inlet, Oil Cooler & Aftercooler Lines	NORMAL
● 3.9 Lower Radiator & Oil Cooler Hoses	NORMAL
● 3.10 Counterweight	NORMAL
● 3.11 Hydraulic Pump Compartment	NORMAL
● 3.12 Swing Drive Gear	NORMAL

Upper Level Inspection

● 4.1 Hood and Platform	NORMAL
● 4.2 Exhaust Manifold	NORMAL
● 4.3 Turbocharger	NORMAL
● 4.4 Cylinder Head(s) & Valve Cover(s)	NORMAL
● 4.5 Fuel Lines, Fuel Pump and Fuel Filter Base	NORMAL
● 4.6 Engine Mounts	NORMAL
● 4.7 Pulleys, Belts, Compressor Clutch and Alternator	NORMAL
● 4.8 Cooling Fan, Fan Guard and Shroud	NORMAL
● 4.9 Upper and Lower Radiator Lines, Air Inlet Lines and Aftercooler Lines	NORMAL

●	4.10 Radiator/Oil Cooler Screen	NORMAL
●	4.11 Water Pump(s)	NORMAL
●	4.12 Radiator Cap	NORMAL
●	4.13 Fuel Priming Pump	NORMAL
●	4.14 Secondary Fuel Filter	NORMAL
●	4.15 Fuel Injection Pump	NORMAL
●	4.16 Engine wiring harness	NORMAL
●	4.17 Hydraulic Hoses	GOOD
●	4.18 Swing Drive Compartment	NORMAL
●	4.19 Swing Drive	NORMAL
●	4.20 Main Hydraulic Control Valve	NORMAL
●	4.21 Hydraulic Tank	NORMAL
●	4.22 Fuel Tank	NORMAL
Implement/Attachment Inspection		
●	5.1 Swivel	NORMAL
●	5.2 Lower Boom Area	NORMAL
	5.2.1 Hose Condition	
●	5.3 Area around Boom Cylinders	NORMAL

● 5.4 Boom Cylinder	NORMAL
● 5.5 Area where Boom attaches to Stick	NORMAL
5.5.1 Hose Condition	
● 5.6 Stick Cylinder	NORMAL
● 5.7 Bucket Cylinder	NORMAL
● 5.8 Bucket linkage	NORMAL
● 5.9 Bucket wear plates	N/A
● 5.10 Bucket side cutters	N/A
● 5.11 Bucket edges, tips, and adapters	N/A

Cylinder Drift - Check (Empty Bucket)

● 6.1 Boom Cylinder	PASS
6.1.1 Observed	
6.1.2 Specification: 0.2" to 0.43" (See Attached Help Document)	
● 6.2 Stick Cylinder	PASS
6.2.1 Observed Stick Out	
6.2.2 Stick Out Specification: 0.98" to 2.48" (See Attached Help Document)	
6.2.3 Observed Stick In	
6.2.4 Stick In Specification: 0.39" to 0.98" (See Attached Help Document)	
● 6.3 Bucket Cylinder - Check	PASS
6.3.1 Observed Bucket Closed	
6.3.2 Specification Bucket Closed: 0.79" to 1.97" (See Attached Help Document)	
6.3.3 Observed Bucket Open	
6.3.4 Specification Bucket Open: 0.39" to 0.98" (See Attached Help Document)	

Check Cylinder Cycle Times

- 7.1 Boom Cylinder PASS

7.1.1 Extension Spec: 3.0 +/- 0.3 to 4.5 +/- 0.3 (See Attached Help Document)

7.1.2 Extension Observed

7.1.3 Retraction Spec: 2.1 +/- 0.3 to 3.2 +/- 0.3 (See Attached Help Document)

7.1.4 Retraction Observed

- 7.2 Stick Cylinder PASS

7.2.1 Extension Spec: 3.0 +/- to 4.5 +/- 0.3 (See Attached Help Document)

7.2.2 Extension Observed

7.2.3 Retraction Spec: 2.6 +/- 0.3 to 3.9 +/- 0.3 (See Attached Help Document)

7.2.4 Retraction Observed

- 7.3 Bucket Cylinder (NOTE BUCKET FAMILY) PASS

7.3.1 Extension Spec: 3.7 to 5.6 +/- 0.3 (See Attached Help Document)

7.3.2 Extension Observed

7.3.3 Retraction Spec: 2.1 to 3.2 +/- 0.3 (See Attached Help Document)

7.3.4 Retraction Observed

Check Travel Cycle Times

- 8.1 Travel Speed in HIGH (Time for three revolutions in seconds) PASS

8.1.1 Forward See Attached Help Document

8.1.2 Reverse See Attached Help Document

- 8.2 Travel Speed in LOW (Time for three revolutions in seconds) PASS

8.2.1 Forward See Attached Help Document

8.2.2 Reverse See Attached Help Document

Pilot System

- 9.1 Pilot Relief Valve - Test PASS

9.1.1 Observed

9.1.2 Specification See Attached Help Document

Main Control Valve - Test

● 10.1 Pump 1 Main Relief - Test PASS

10.1.1 Observed

10.1.2 Specification See Attached Help Document

Hydraulic Scheduled Oil Sample

11.1 SOS Taken

Site Conditions

● 12.1 Ambient Temperature in Engine Room NORMAL

12.1.1 (90° to 115°F or 0° to -20°F) - ACTION: Above 46°C or Below -29°C
(Above 115° or Below -20°F)

● 12.2 Altitude NORMAL

● 12.3 Haul Road Grade NORMAL

● 12.4 Haul Road Condition NORMAL

● 12.5 Humidity NORMAL

● 12.6 Air Quality NORMAL

● 12.7 Underfoot Condition NORMAL

● 12.8 Machine Utilization NORMAL

● 12.9 Working Material NORMAL

● 12.10 Maintenance Practices NORMAL

Lower Level Inspection

● 13.1 Undercarriage NORMAL