



# OIL ANALYSIS REPORT

WEAR	<b>ABNORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Machine Id  
**CATERPILLAR CS323C PADFOOT RL2722 (S/N EAS00290)**  
 Component  
**Differential**  
 Fluid  
**{not provided} (--- GAL)**

## RECOMMENDATION

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DC0032451	---	---
Sample Date		Client Info		16 Apr 2024	---	---
Machine Age	hrs	Client Info		0	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				ABNORMAL	---	---

## WEAR

Bearing and/or bushing wear is indicated.

Iron	ppm	ASTM D5185m	>500	125	---	---
Chromium	ppm	ASTM D5185m	>3	2	---	---
Nickel	ppm	ASTM D5185m	>3	1	---	---
Titanium	ppm	ASTM D5185m	>2	<1	---	---
Silver	ppm	ASTM D5185m	>2	0	---	---
Aluminum	ppm	ASTM D5185m	>30	3	---	---
Lead	ppm	ASTM D5185m	>13	1	---	---
Copper	ppm	ASTM D5185m	>103	▲ 213	---	---
Tin	ppm	ASTM D5185m	>5	▲ 7	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

## CONTAMINATION

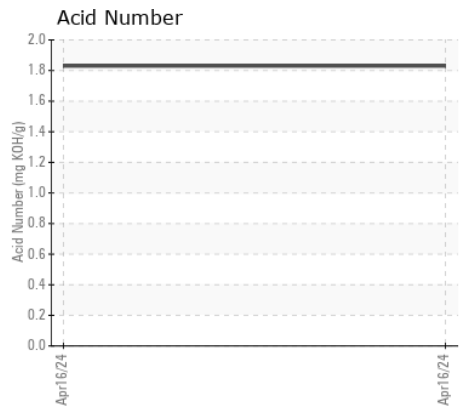
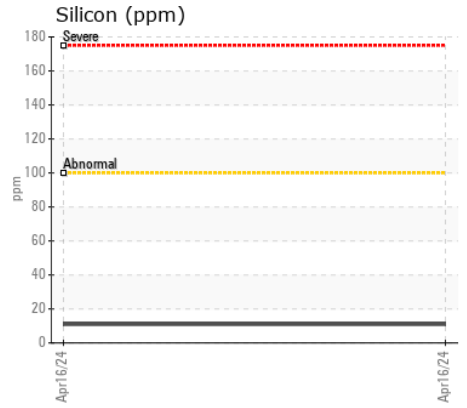
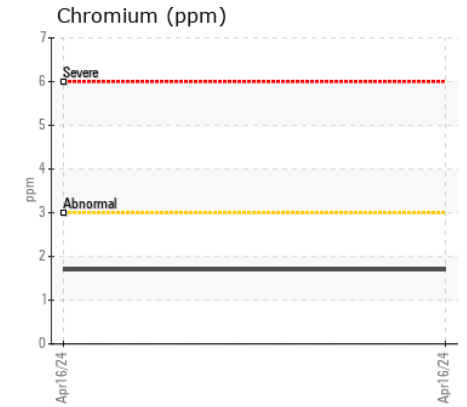
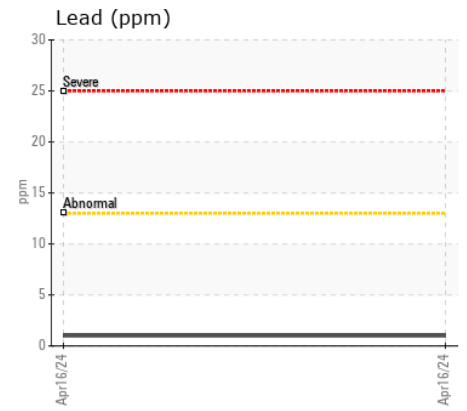
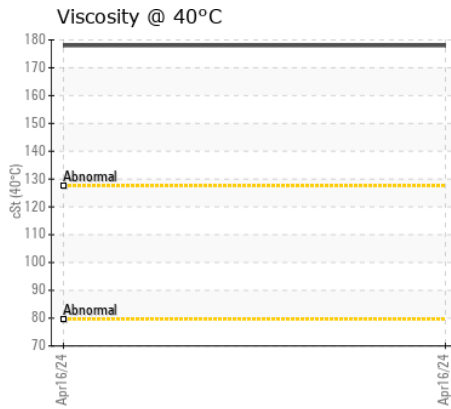
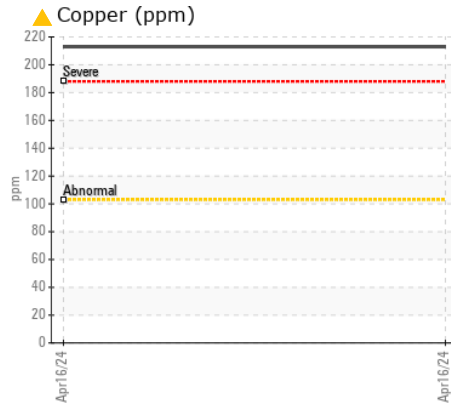
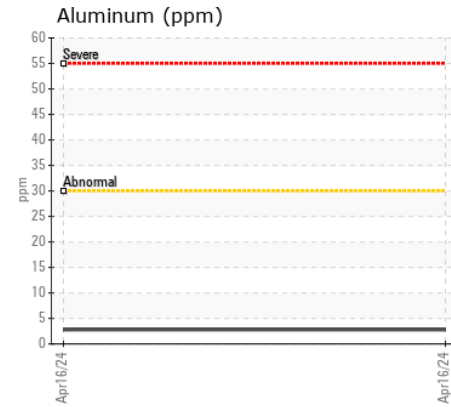
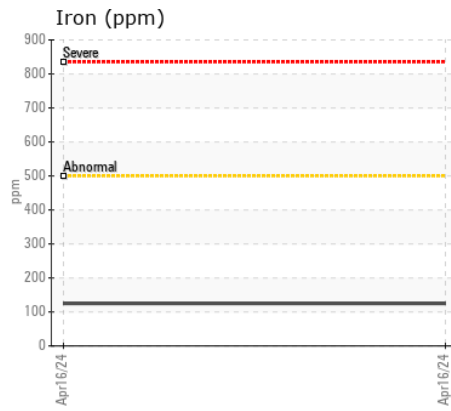
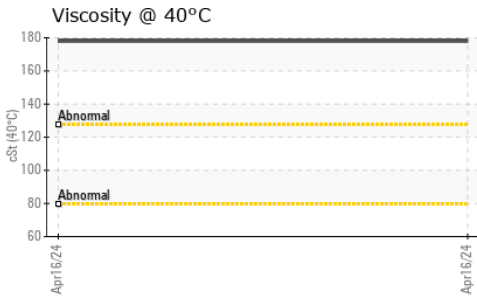
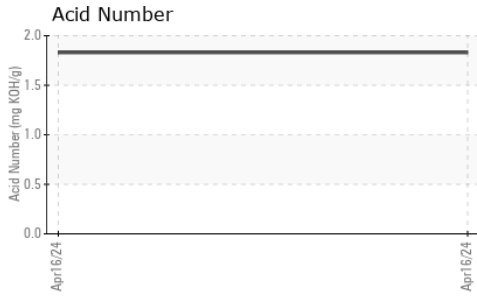
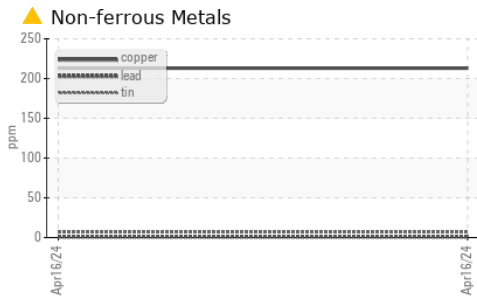
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>100	11	---	---
Potassium	ppm	ASTM D5185m	>20	4	---	---
Water		WC Method	>.2	NEG	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>.2	NEG	---	---

## FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		2	---	---
Boron	ppm	ASTM D5185m		14	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		5	---	---
Manganese	ppm	ASTM D5185m		2	---	---
Magnesium	ppm	ASTM D5185m		47	---	---
Calcium	ppm	ASTM D5185m		2794	---	---
Phosphorus	ppm	ASTM D5185m		1152	---	---
Zinc	ppm	ASTM D5185m		1233	---	---
Sulfur	ppm	ASTM D5185m		17763	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		1.83	---	---
Visc @ 40°C	cSt	ASTM D445		178	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : DC0032451

**Lab Number** : 06160562

**Unique Number** : 10995985

**Test Package** : MOB 2

**Received** : 25 Apr 2024

**Tested** : 26 Apr 2024

**Diagnosed** : 27 Apr 2024 - Don Baldrige

**COMER CONSTRUCTION**

2100 SLADE LANE

FOREST HILL, MD

US 21050

Contact: RANDY SLADE

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T:

F: (410)638-0289

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)