



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
CATERPILLAR 908M C237144 (S/N CAT0908MLH8801142)
 Component
Front Right Final Drive
 Fluid
CAT TDTO 30W (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0218687	JR0191346	---
Sample Date		Client Info		04 Jun 2024	07 Dec 2023	---
Machine Age	hrs	Client Info		5333	4885	---
Oil Age	hrs	Client Info		448	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changed	Changed	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ABNORMAL	SEVERE	---

WEAR

Bearing and/or bushing wear is indicated.

PQ		ASTM D8184	>500	84	335	---
Iron	ppm	ASTM D5185m	>800	420	▲ 865	---
Chromium	ppm	ASTM D5185m	>10	5	6	---
Nickel	ppm	ASTM D5185m	>5	<1	<1	---
Titanium	ppm	ASTM D5185m	>15	<1	<1	---
Silver	ppm	ASTM D5185m	>2	0	0	---
Aluminum	ppm	ASTM D5185m	>75	2	1	---
Lead	ppm	ASTM D5185m	>10	▲ 11	▲ 25	---
Copper	ppm	ASTM D5185m	>75	▲ 179	▲ 402	---
Tin	ppm	ASTM D5185m	>8	▲ 19	▲ 30	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

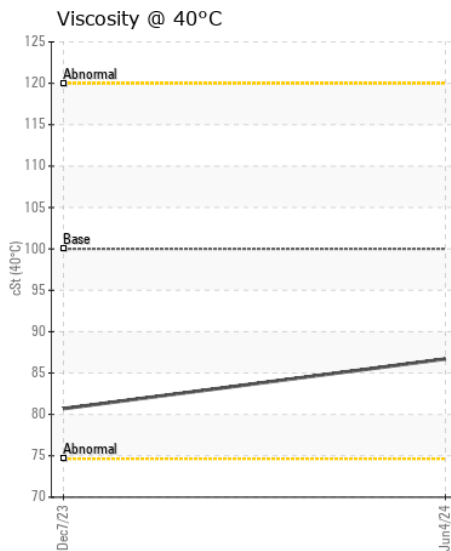
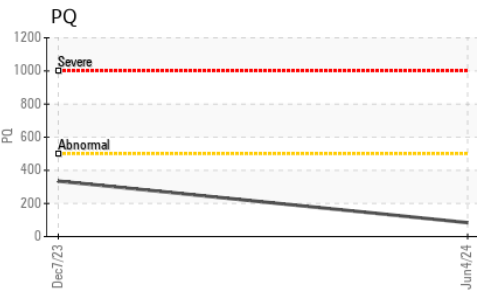
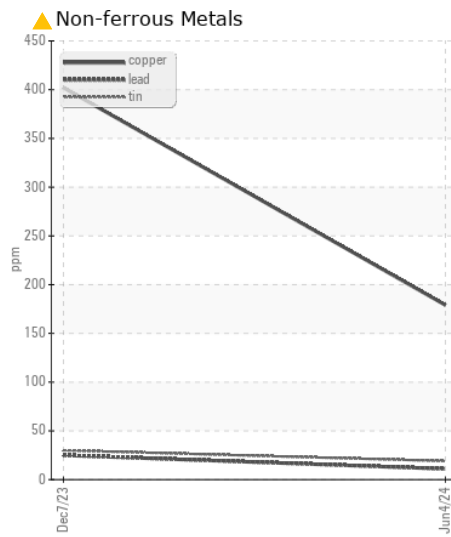
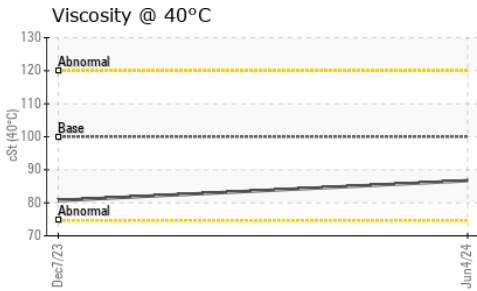
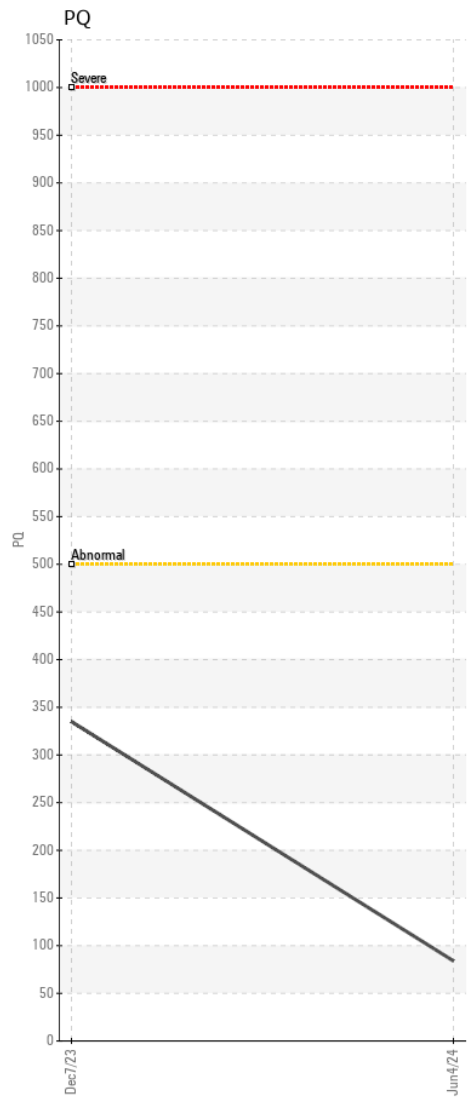
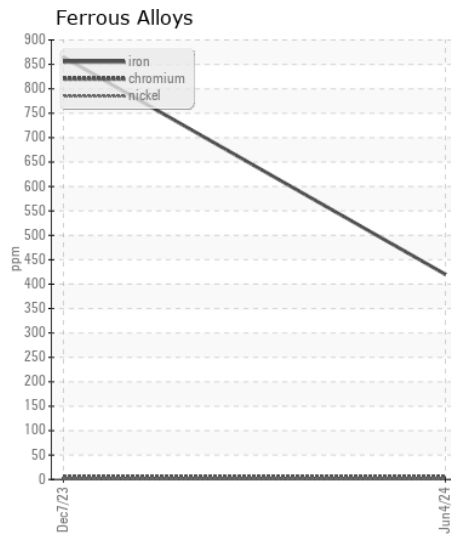
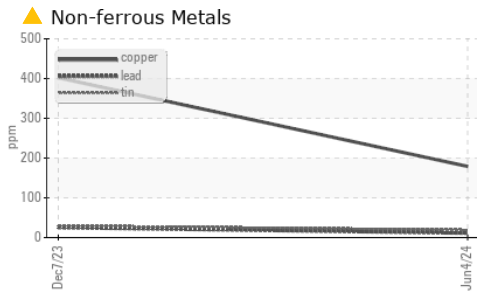
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>400	16	26	---
Potassium	ppm	ASTM D5185m	>20	7	18	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		2	4	---
Boron	ppm	ASTM D5185m		6	12	---
Barium	ppm	ASTM D5185m		3	0	---
Molybdenum	ppm	ASTM D5185m		<1	<1	---
Manganese	ppm	ASTM D5185m		6	9	---
Magnesium	ppm	ASTM D5185m		11	10	---
Calcium	ppm	ASTM D5185m	2980	3024	2754	---
Phosphorus	ppm	ASTM D5185m	1100	993	1020	---
Zinc	ppm	ASTM D5185m	1270	1236	1079	---
Sulfur	ppm	ASTM D5185m		7868	9898	---
Visc @ 40°C	cSt	ASTM D445	100	86.7	80.7	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0218687 **Received** : 14 Jun 2024
Lab Number : 06210445 **Tested** : 17 Jun 2024
Unique Number : 11083309 **Diagnosed** : 18 Jun 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

JRE - ASHEVILLE
 101 BRUCE DRIVE
 ASHEVILLE, NC
 US 28806

Contact: Randy Warren
 randy.warren@jamesriverequipment.com

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)

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