



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
CATERPILLAR 908M C237144 (S/N CAT0908MLH8801142)
 Component
Front Left 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		JR0218688	JR0191347	---
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	56	176	---
Iron	ppm	ASTM D5185m	>800	314	711	---
Chromium	ppm	ASTM D5185m	>10	4	5	---
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	▲ 14	▲ 41	---
Copper	ppm	ASTM D5185m	>75	▲ 187	▲ 528	---
Tin	ppm	ASTM D5185m	>8	▲ 23	▲ 49	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	MODER	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

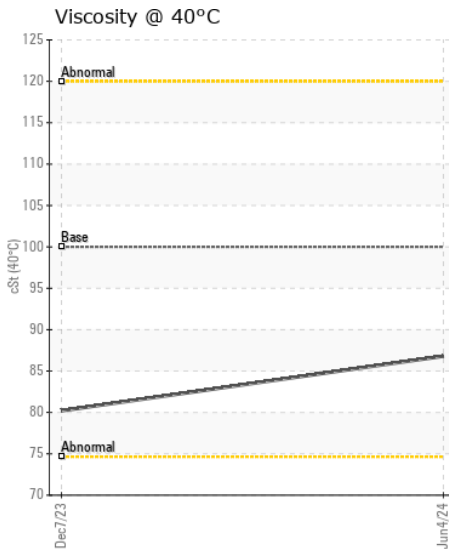
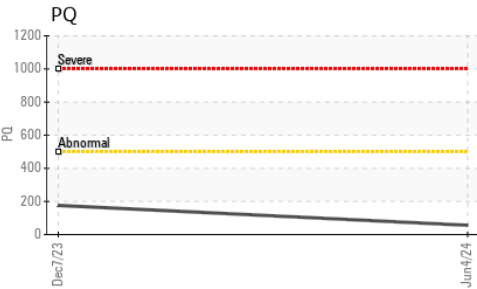
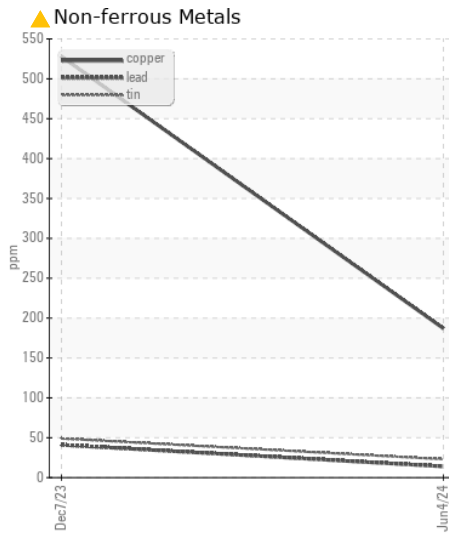
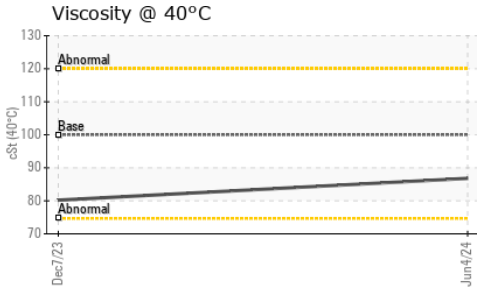
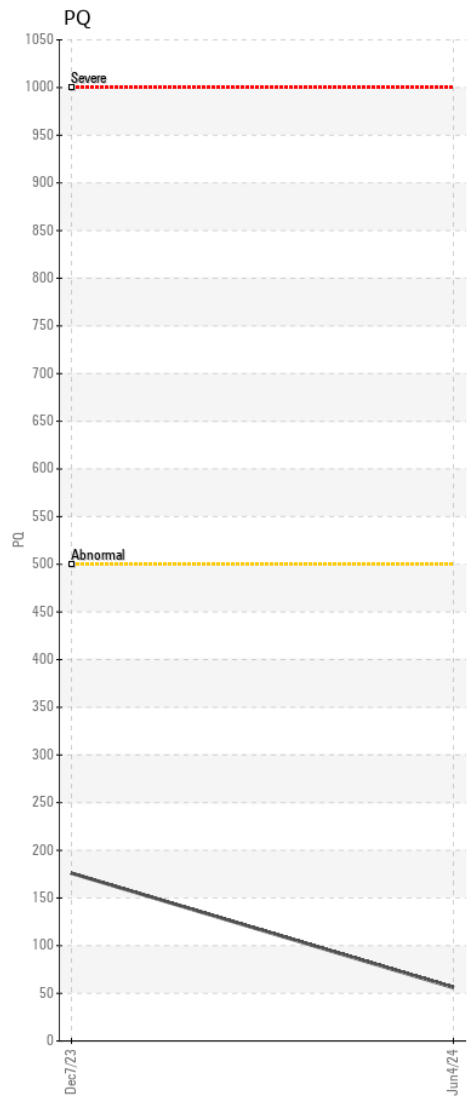
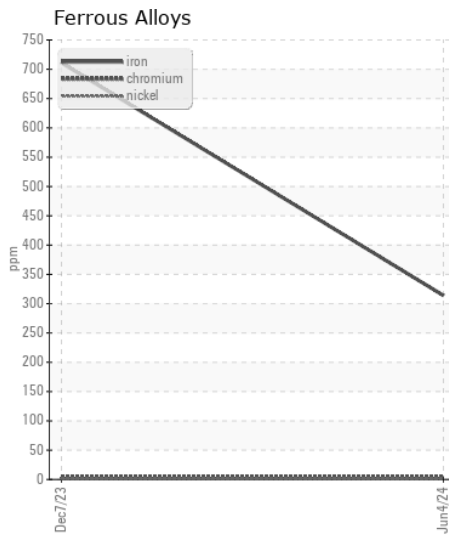
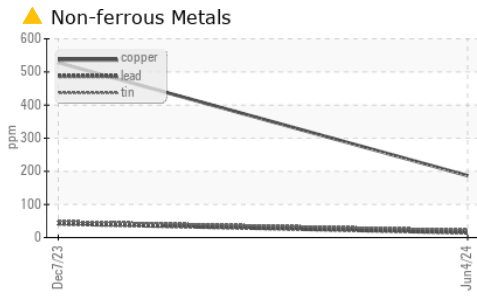
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>400	17	23	---
Potassium	ppm	ASTM D5185m	>20	6	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		5	12	---
Barium	ppm	ASTM D5185m		3	<1	---
Molybdenum	ppm	ASTM D5185m		<1	<1	---
Manganese	ppm	ASTM D5185m		5	8	---
Magnesium	ppm	ASTM D5185m		14	10	---
Calcium	ppm	ASTM D5185m	2980	3050	2846	---
Phosphorus	ppm	ASTM D5185m	1100	989	1018	---
Zinc	ppm	ASTM D5185m	1270	1246	1135	---
Sulfur	ppm	ASTM D5185m		7890	10129	---
Visc @ 40°C	cSt	ASTM D445	100	86.8	80.2	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0218688 **Received** : 14 Jun 2024
Lab Number : 06210441 **Tested** : 17 Jun 2024
Unique Number : 11083305 **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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