



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[05W46692]
 Machine Id
JOHN DEERE 410L 1T0410LXEMF398507
 Component
Front Axle
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (9 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0214450	JR0176044	---
Sample Date		Client Info		21 May 2024	26 Jun 2023	---
Machine Age	hrs	Client Info		1467	940	---
Oil Age	hrs	Client Info		1467	940	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	N/A	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		448	242	---
Iron	ppm	ASTM D5185m	>750	189	160	---
Chromium	ppm	ASTM D5185m	>11	2	2	---
Nickel	ppm	ASTM D5185m	>10	0	<1	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m		<1	0	---
Aluminum	ppm	ASTM D5185m	>21	2	<1	---
Lead	ppm	ASTM D5185m	>49	<1	0	---
Copper	ppm	ASTM D5185m	>101	78	53	---
Tin	ppm	ASTM D5185m	>10	1	<1	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
White Metal	scalar	*Visual	NONE	NONE	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

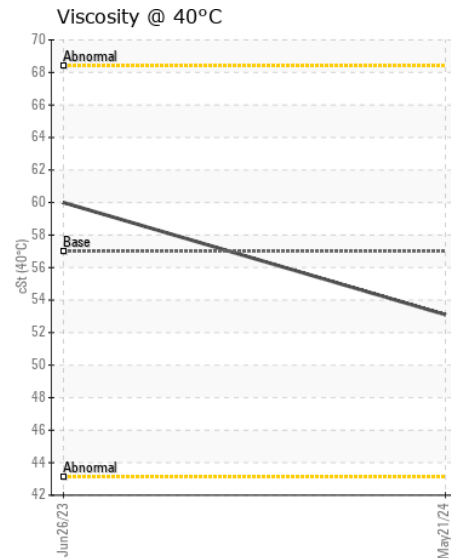
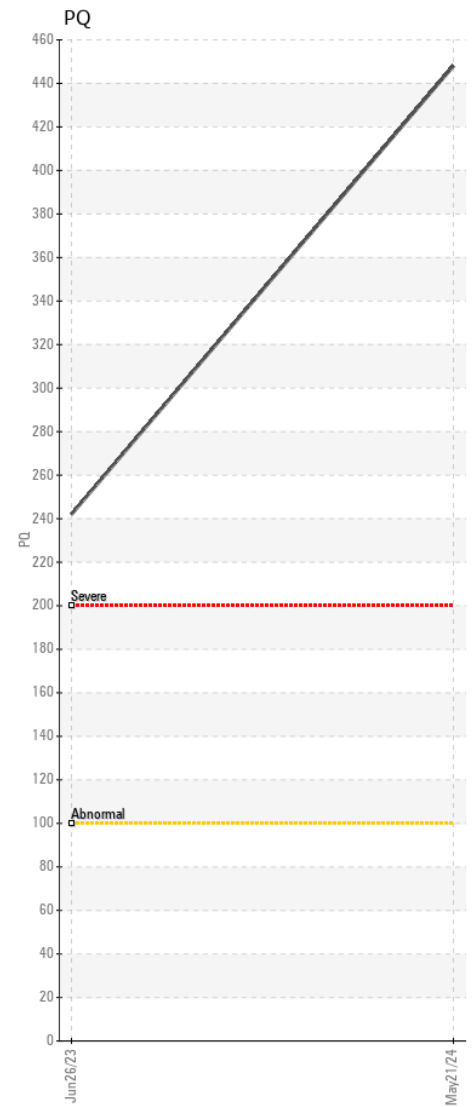
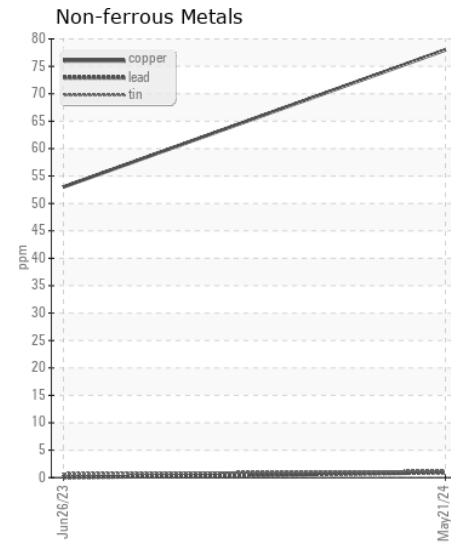
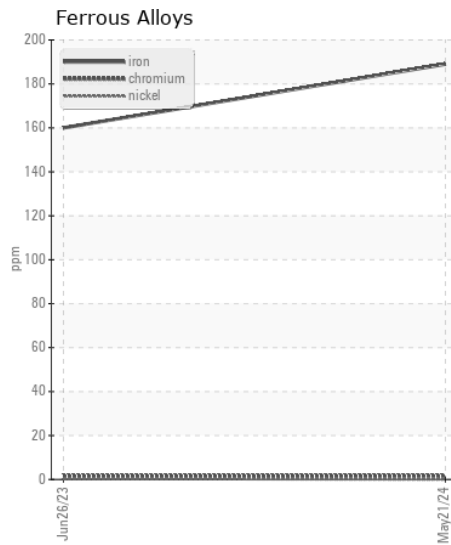
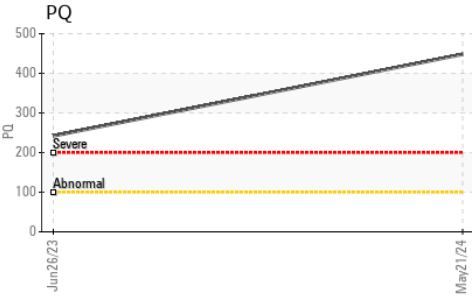
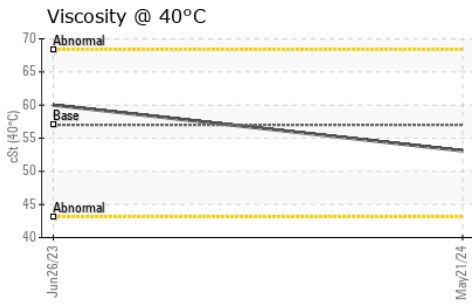
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>31	16	13	---
Potassium	ppm	ASTM D5185m	>20	0	3	---
Water		WC Method	>0.1	NEG	NEG	---
Silt	scalar	*Visual	NONE	LIGHT	NONE	---
Debris	scalar	*Visual	NONE	NONE	▲ MODER	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	22	19	---
Boron	ppm	ASTM D5185m	6	110	104	---
Barium	ppm	ASTM D5185m	0	1	0	---
Molybdenum	ppm	ASTM D5185m	0	<1	<1	---
Manganese	ppm	ASTM D5185m		12	12	---
Magnesium	ppm	ASTM D5185m	145	14	11	---
Calcium	ppm	ASTM D5185m	3570	3497	3818	---
Phosphorus	ppm	ASTM D5185m	1290	1126	1068	---
Zinc	ppm	ASTM D5185m	1640	1387	1610	---
Sulfur	ppm	ASTM D5185m		3849	3933	---
Visc @ 40°C	cSt	ASTM D445	57.0	53.1	60.0	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0214450 **Received** : 22 May 2024
Lab Number : 06188263 **Tested** : 24 May 2024
Unique Number : 11045015 **Diagnosed** : 24 May 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

JRE - MANASSAS PARK
 9107 OWENS DRIVE
 MANASSAS PARK, VA
 US 20111

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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)