



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

Area

**[05W46692]**

Machine Id

**JOHN DEERE 410L 1T0410LXEMF398507**

Component

**Rear Axle**

Fluid

**JOHN DEERE HY-GARD HYD/TRANS (16 QTS)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0214449</b>	JR0176046	---
Sample Date		Client Info		<b>21 May 2024</b>	26 Jun 2023	---
Machine Age	hrs	Client Info		<b>1467</b>	940	---
Oil Age	hrs	Client Info		<b>1467</b>	940	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Not Changd</b>	N/A	---
Filter Changed		Client Info		<b>N/A</b>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>76</b>	60	---
Iron	ppm	ASTM D5185m	>750	<b>189</b>	158	---
Chromium	ppm	ASTM D5185m	>11	<b>1</b>	1	---
Nickel	ppm	ASTM D5185m	>10	<b>1</b>	1	---
Titanium	ppm	ASTM D5185m		<b>0</b>	0	---
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185m	>21	<b>2</b>	0	---
Lead	ppm	ASTM D5185m	>49	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185m	>101	<b>30</b>	22	---
Tin	ppm	ASTM D5185m	>10	<b>1</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	MODER	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

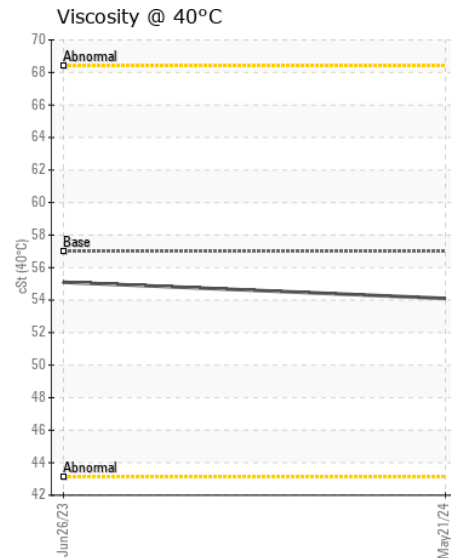
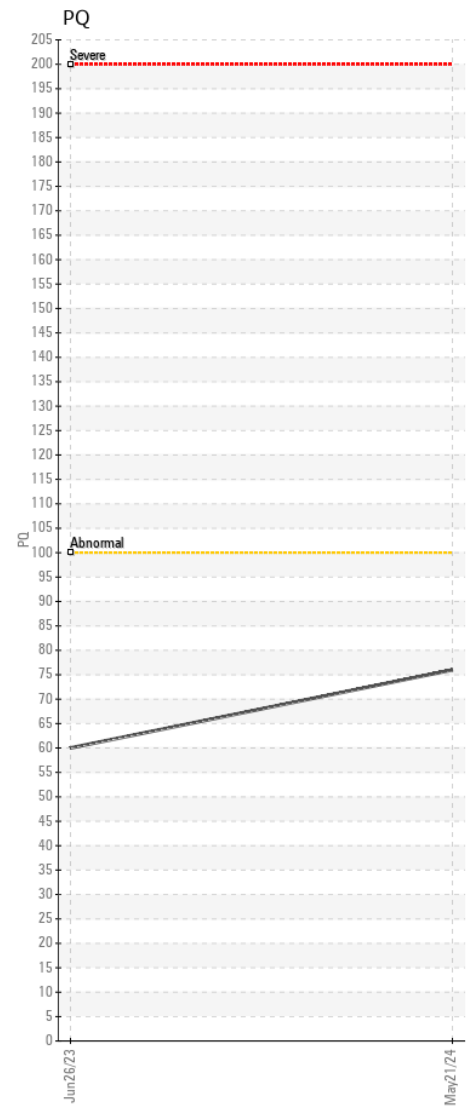
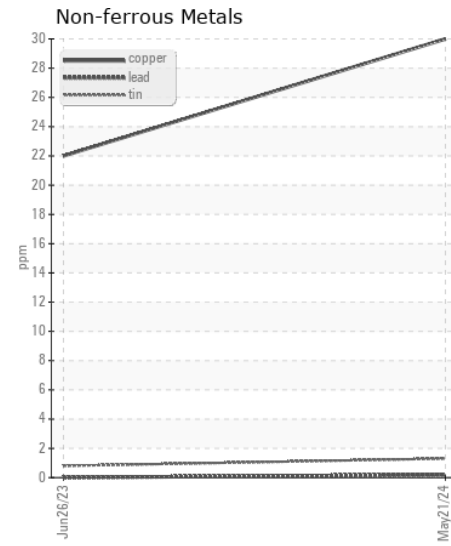
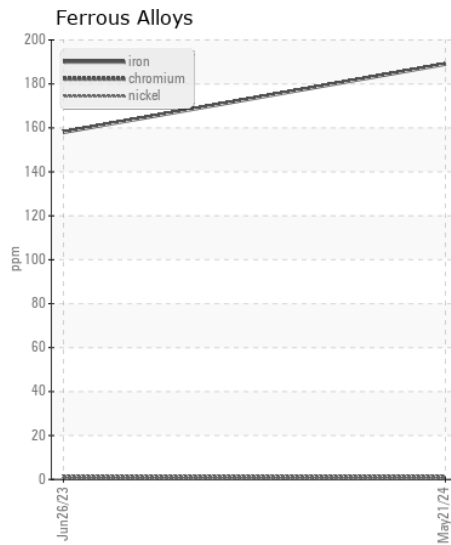
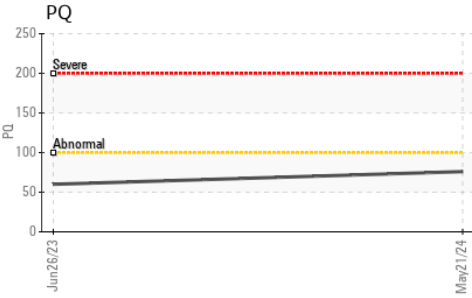
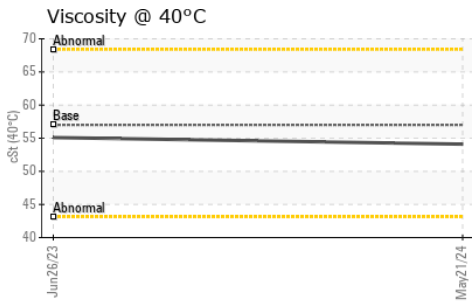
There is no indication of any contamination in the oil.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Silicon	ppm	ASTM D5185m	>31	<b>11</b>	10	---
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	2	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	---

### FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sodium	ppm	ASTM D5185m	>51	<b>10</b>	5	---
Boron	ppm	ASTM D5185m	6	<b>0</b>	2	---
Barium	ppm	ASTM D5185m	0	<b>4</b>	2	---
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	2	---
Manganese	ppm	ASTM D5185m		<b>5</b>	5	---
Magnesium	ppm	ASTM D5185m	145	<b>98</b>	93	---
Calcium	ppm	ASTM D5185m	3570	<b>3423</b>	3431	---
Phosphorus	ppm	ASTM D5185m	1290	<b>1035</b>	990	---
Zinc	ppm	ASTM D5185m	1640	<b>1137</b>	1194	---
Sulfur	ppm	ASTM D5185m		<b>3765</b>	3923	---
Visc @ 40°C	cSt	ASTM D445	57.0	<b>54.1</b>	55.1	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0214449 **Received** : 22 May 2024  
**Lab Number** : 06188262 **Tested** : 24 May 2024  
**Unique Number** : 11045014 **Diagnosed** : 24 May 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - MANASSAS PARK**  
 9107 OWENS DRIVE  
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 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)