



OIL ANALYSIS REPORT

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



Area  
**Store 2 - Beaver [RO#148195]**  
Machine Id  
**JOHN DEERE 310G T0310GX949926**  
Component  
**Front Axle**  
Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (--- 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		<b>LEC0048458</b>	LEC0032511	---
Sample Date		Client Info		<b>22 Feb 2024</b>	15 Aug 2022	---
Machine Age	hrs	Client Info		<b>2869</b>	2614	---
Oil Age	hrs	Client Info		<b>2869</b>	2614	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	---
Filter Changed		Client Info		<b>N/A</b>	N/A	---
Sample Status				<b>ABNORMAL</b>	ABNORMAL	---

**WEAR**

Bearing and/or bushing wear is indicated. All other component wear rates are normal.

PQ		ASTM D8184		<b>90</b>	179	---
Iron	ppm	ASTM D5185m	>1501	<b>118</b>	1733	---
Chromium	ppm	ASTM D5185m	>11	<b>3</b>	17	---
Nickel	ppm	ASTM D5185m	>10	<b>1</b>	15	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>21	<b>&lt;1</b>	30	---
Lead	ppm	ASTM D5185m	>51	<b>&lt;1</b>	3	---
Copper	ppm	ASTM D5185m	>101	<b>▲ 282</b>	149	---
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	3	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	MODER	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

**CONTAMINATION**

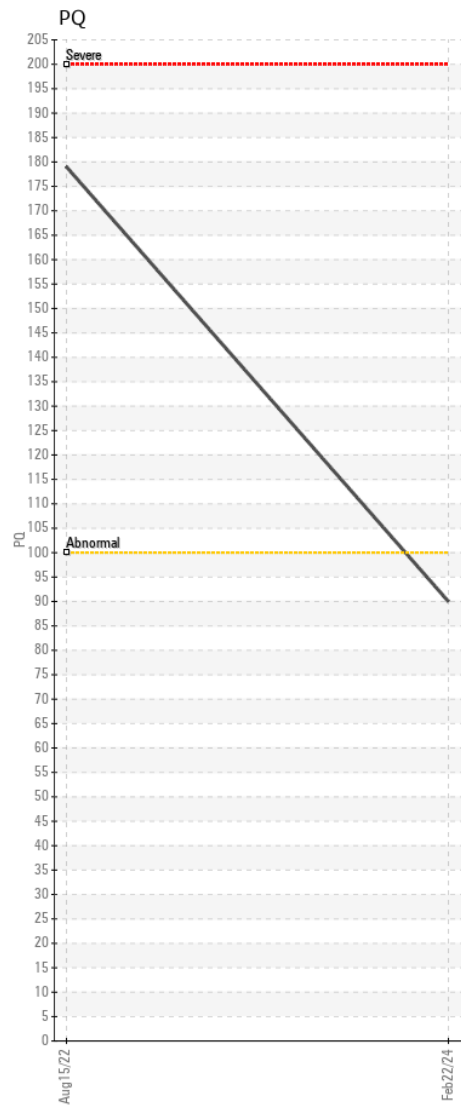
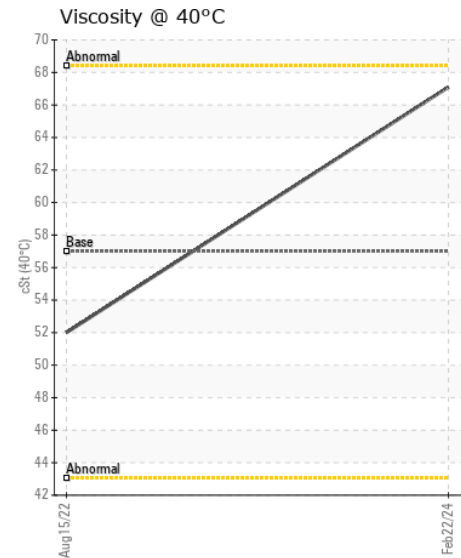
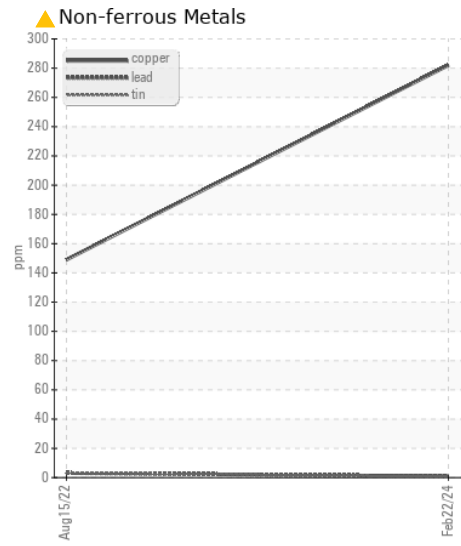
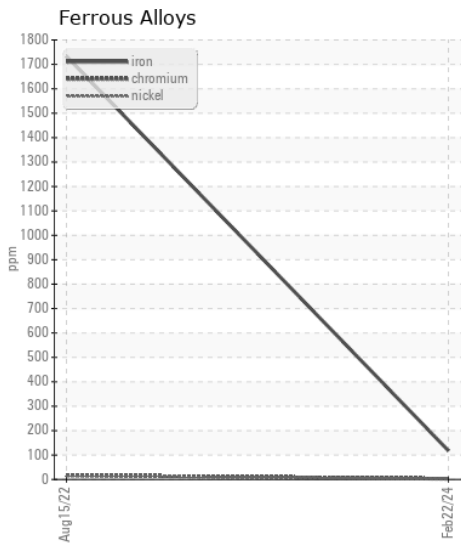
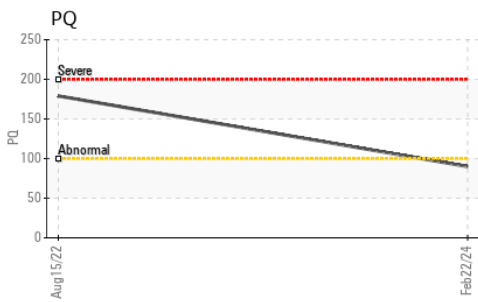
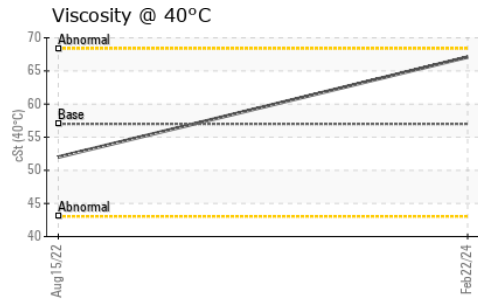
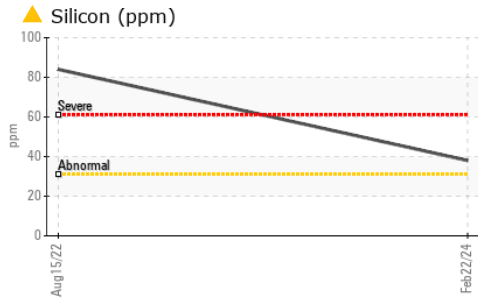
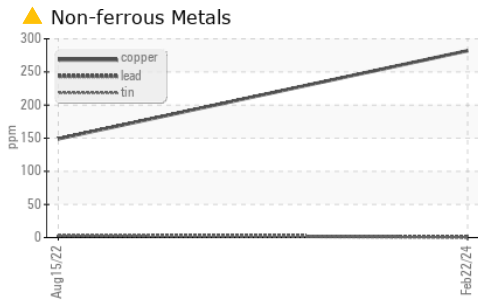
Elemental level of silicon (Si) above normal indicating ingress of seal material.

Silicon	ppm	ASTM D5185m	>31	<b>▲ 38</b>	▲ 84	---
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	29	---
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.

Sodium	ppm	ASTM D5185m	>51	<b>32</b>	15	---
Boron	ppm	ASTM D5185m	6	<b>122</b>	0	---
Barium	ppm	ASTM D5185m	0	<b>2</b>	3	---
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	2	---
Manganese	ppm	ASTM D5185m		<b>7</b>	15	---
Magnesium	ppm	ASTM D5185m	145	<b>10</b>	81	---
Calcium	ppm	ASTM D5185m	3570	<b>3864</b>	3082	---
Phosphorus	ppm	ASTM D5185m	1290	<b>1190</b>	925	---
Zinc	ppm	ASTM D5185m	1640	<b>1713</b>	1047	---
Sulfur	ppm	ASTM D5185m		<b>10874</b>	3472	---
Visc @ 40°C	cSt	ASTM D445	57.0	<b>67.1</b>	52.0	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0048458 **Received** : 28 Feb 2024  
**Lab Number** : 06103279 **Tested** : 29 Feb 2024  
**Unique Number** : 10901509 **Diagnosed** : 01 Mar 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**LESLIE EQUIPMENT COMPANY**  
 105 TENNIS CENTER DR.  
 MARIETTA, OH  
 US 45750-9765  
 Contact: LEANNE KENDALL  
 KendalLeanne@lec1.com  
 T:  
 F: (740)373-5570

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)