



OIL ANALYSIS REPORT

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



Area  
**Store 9 - Marietta [RO#138039]**  
Machine Id  
**JOHN DEERE 410E 1DW410EBENF713866**  
Component  
**Middle Axle**  
Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (16 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0037599</b>	LEC0037205	---
Sample Date		Client Info		<b>19 Apr 2023</b>	21 Nov 2022	---
Machine Age	hrs	Client Info		<b>1292</b>	621	---
Oil Age	hrs	Client Info		<b>1292</b>	621	---
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>	None	---
Sample Status				<b>NORMAL</b>	NORMAL	---

**WEAR**

All component wear rates are normal.

PQ		ASTM D8184		<b>13</b>	14	---
Iron	ppm	ASTM D5185m	>1501	<b>26</b>	32	---
Chromium	ppm	ASTM D5185m	>11	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>21	<b>&lt;1</b>	2	---
Lead	ppm	ASTM D5185m	>51	<b>5</b>	8	---
Copper	ppm	ASTM D5185m	>101	<b>19</b>	17	---
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	2	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

**CONTAMINATION**

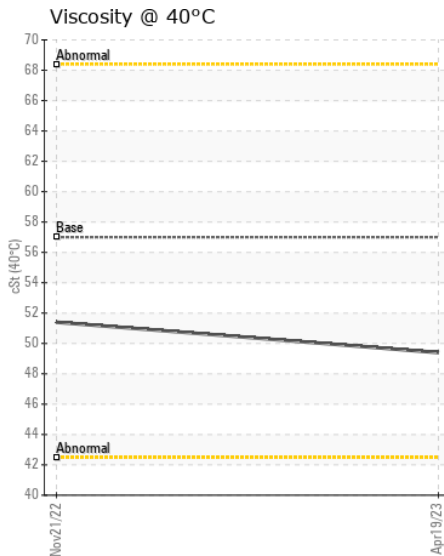
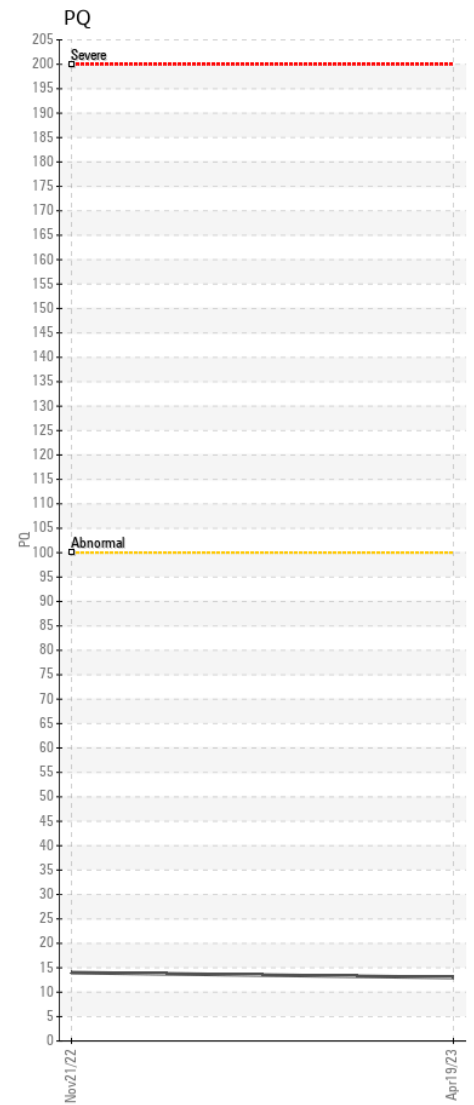
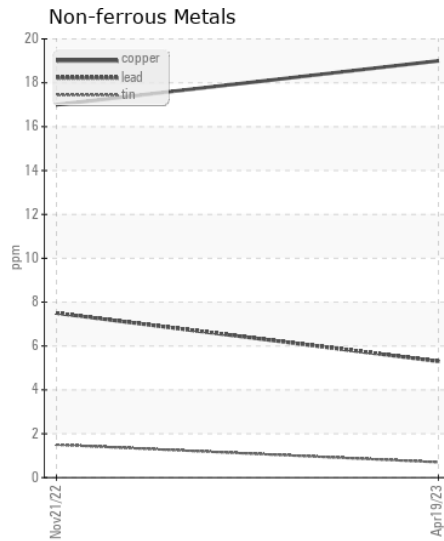
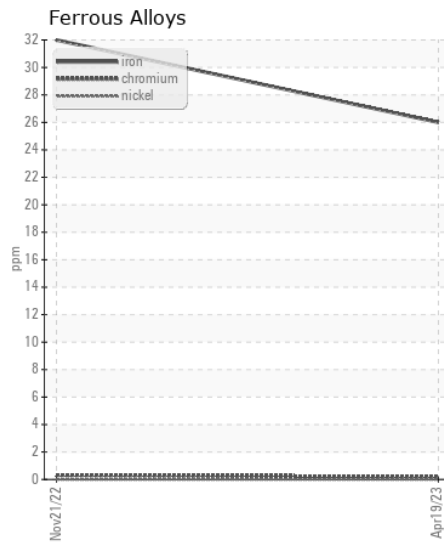
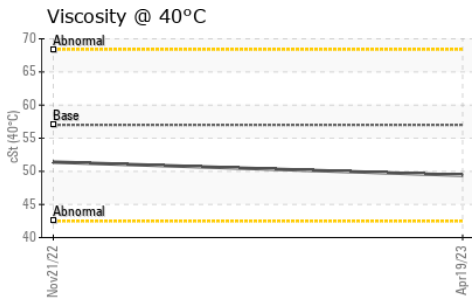
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>31	<b>4</b>	6	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</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 fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	<b>5</b>	3	---
Boron	ppm	ASTM D5185m	6	<b>0</b>	2	---
Barium	ppm	ASTM D5185m	0	<b>2</b>	0	---
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>2</b>	2	---
Magnesium	ppm	ASTM D5185m	145	<b>95</b>	96	---
Calcium	ppm	ASTM D5185m	3570	<b>3352</b>	3504	---
Phosphorus	ppm	ASTM D5185m	1290	<b>995</b>	1037	---
Zinc	ppm	ASTM D5185m	1640	<b>1192</b>	1263	---
Sulfur	ppm	ASTM D5185m		<b>4088</b>	4215	---
Visc @ 40°C	cSt	ASTM D445	57.0	<b>49.4</b>	51.4	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0037599 **Received** : 24 Apr 2023  
**Lab Number** : 05827890 **Tested** : 25 Apr 2023  
**Unique Number** : 10441383 **Diagnosed** : 26 Apr 2023 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**LESLIE EQUIPMENT COMPANY**  
 105 TENNIS CENTER DR.  
 MARIETTA, OH  
 US 45750-9765  
 Contact: LEANNE KENDALL  
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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)

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