



# OIL ANALYSIS REPORT

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



Area  
**Store 4 - Fairmont**  
Machine Id  
**JOHN DEERE 624L 1DW624LZTKF694098**  
Component  
**Rear Axle**  
Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (--- QTS)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0038875</b>	LEC0028618	LEC0028129
Sample Date		Client Info		<b>09 Feb 2023</b>	09 May 2022	02 Feb 2022
Machine Age	hrs	Client Info		<b>3998</b>	3354	2972
Oil Age	hrs	Client Info		<b>1505</b>	861	479
Filter Age	hrs	Client Info		<b>0</b>	861	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>None</b>	Changed	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>32</b>	16	60
Iron	ppm	ASTM D5185m	>750	<b>164</b>	2	164
Chromium	ppm	ASTM D5185m	>11	<b>&lt;1</b>	0	<1
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	1
Silver	ppm	ASTM D5185m		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m	>21	<b>2</b>	1	3
Lead	ppm	ASTM D5185m	>49	<b>14</b>	0	19
Copper	ppm	ASTM D5185m	>101	<b>20</b>	0	20
Tin	ppm	ASTM D5185m	>10	<b>2</b>	<1	2
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

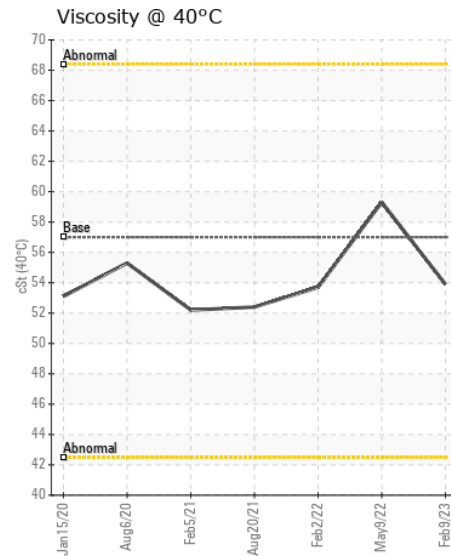
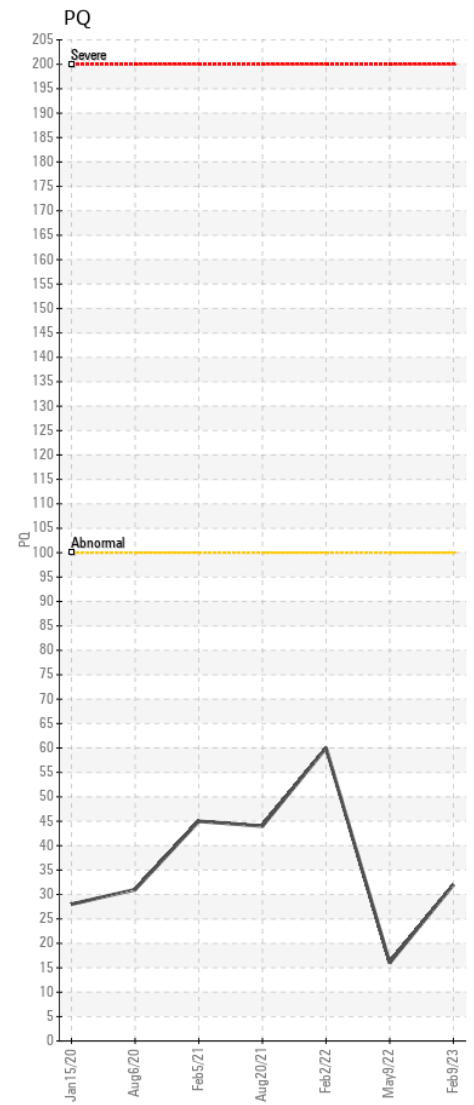
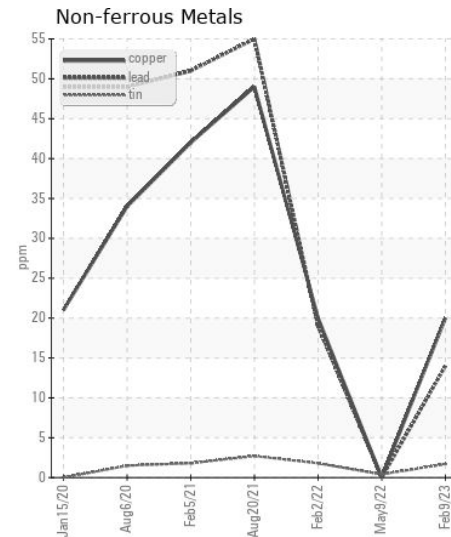
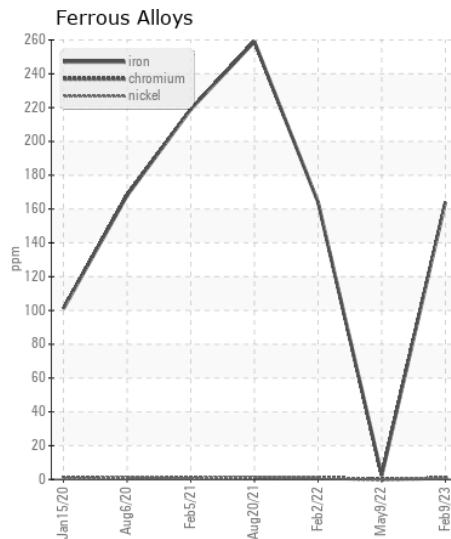
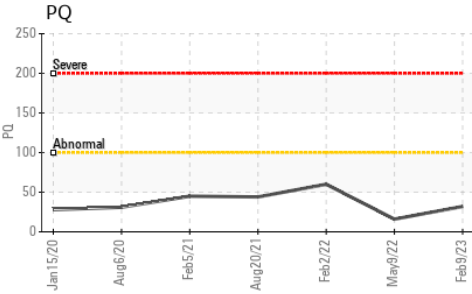
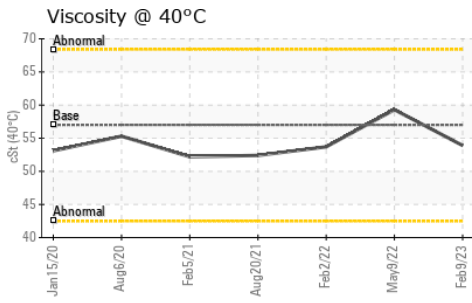
There is no indication of any contamination in the fluid.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Silicon	ppm	ASTM D5185m	>31	<b>13</b>	5	14
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	0	2
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sodium	ppm	ASTM D5185m	>51	<b>3</b>	<1	3
Boron	ppm	ASTM D5185m	6	<b>3</b>	6	5
Barium	ppm	ASTM D5185m	0	<b>1</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>3</b>	4	2
Manganese	ppm	ASTM D5185m		<b>2</b>	<1	2
Magnesium	ppm	ASTM D5185m	145	<b>100</b>	118	114
Calcium	ppm	ASTM D5185m	3570	<b>3273</b>	3495	3773
Phosphorus	ppm	ASTM D5185m	1290	<b>946</b>	1028	1111
Zinc	ppm	ASTM D5185m	1640	<b>1180</b>	1234	1269
Sulfur	ppm	ASTM D5185m		<b>3924</b>	3203	3380
Visc @ 40°C	cSt	ASTM D445	57.0	<b>53.9</b>	59.3	53.7



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0038875 **Received** : 15 Feb 2023  
**Lab Number** : 05768306 **Tested** : 16 Feb 2023  
**Unique Number** : 10337914 **Diagnosed** : 16 Feb 2023 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

**LESLIE EQUIPMENT COMPANY**  
 105 TENNIS CENTER DR.  
 MARIETTA, OH  
 US 45750-9765  
 Contact: LEANNE KENDALL  
 KendalLeanne@lec1.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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