



# OIL ANALYSIS REPORT

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

Area  
**Store 1 - Cowen [151979]**  
Machine Id  
**JOHN DEERE 624P 1DW624PAJNLZ15097**  
Component  
**Rear Axle**  
Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (5 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0050403</b>	LEC0045956	LEC0041116
Sample Date		Client Info		<b>12 Jun 2024</b>	29 Mar 2024	12 Jan 2024
Machine Age	hrs	Client Info		<b>3641</b>	3124	2627
Oil Age	hrs	Client Info		<b>1564</b>	1047	550
Filter Age	hrs	Client Info		<b>1564</b>	1047	550
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>18</b>	14	13
Iron	ppm	ASTM D5185m	>750	<b>40</b>	34	29
Chromium	ppm	ASTM D5185m	>11	<b>&lt;1</b>	0	<1
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>21	<b>1</b>	<1	2
Lead	ppm	ASTM D5185m	>49	<b>40</b>	25	23
Copper	ppm	ASTM D5185m	>101	<b>90</b>	63	59
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

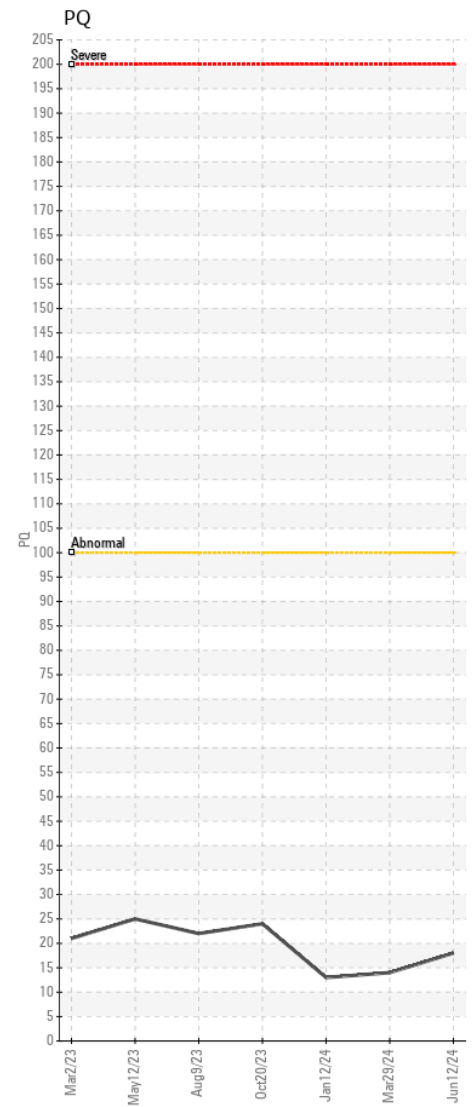
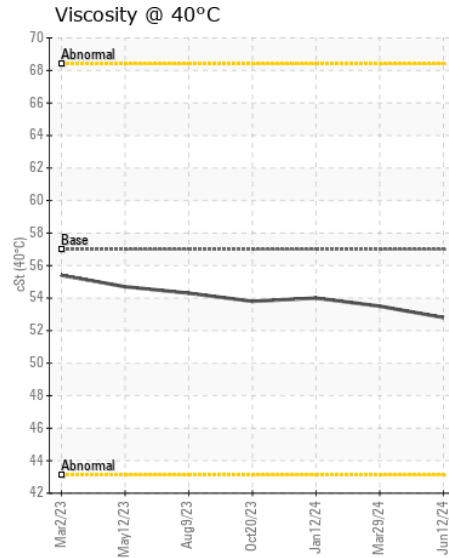
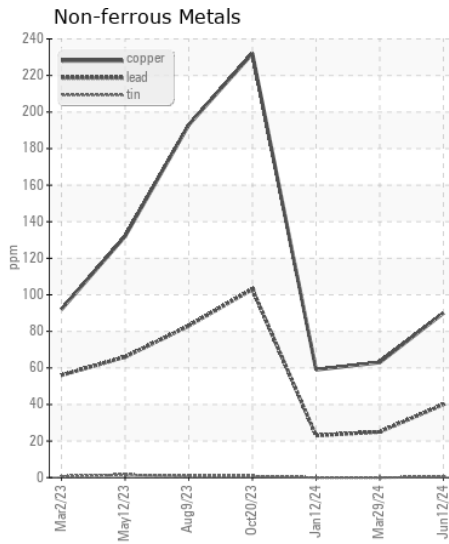
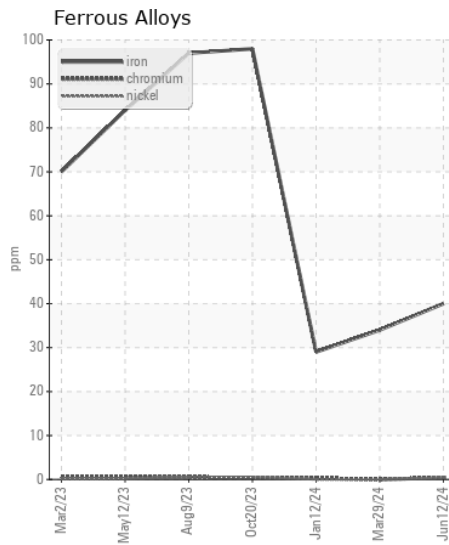
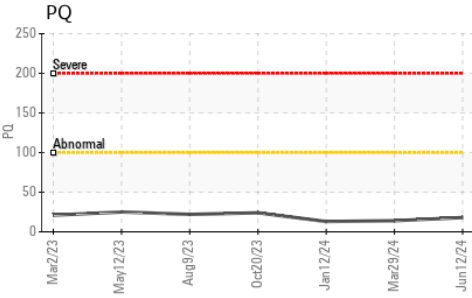
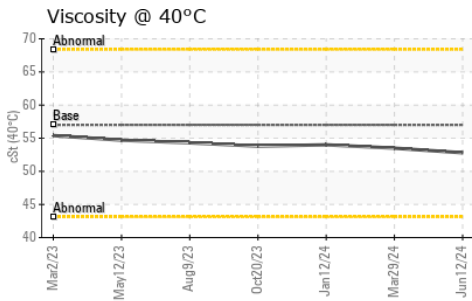
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	<b>6</b>	4	3
Potassium	ppm	ASTM D5185m	>20	<b>2</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 oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	<b>&lt;1</b>	2	0
Boron	ppm	ASTM D5185m	6	<b>2</b>	<1	0
Barium	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	3
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	0
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Magnesium	ppm	ASTM D5185m	145	<b>93</b>	91	97
Calcium	ppm	ASTM D5185m	3570	<b>3427</b>	3390	3368
Phosphorus	ppm	ASTM D5185m	1290	<b>984</b>	989	985
Zinc	ppm	ASTM D5185m	1640	<b>1210</b>	1159	1245
Sulfur	ppm	ASTM D5185m		<b>3414</b>	3967	3767
Visc @ 40°C	cSt	ASTM D445	57.0	<b>52.8</b>	53.5	54.0



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0050403 **Received** : 14 Jun 2024  
**Lab Number** : 06210459 **Tested** : 17 Jun 2024  
**Unique Number** : 11083323 **Diagnosed** : 17 Jun 2024 - Wes Davis  
**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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