



OIL ANALYSIS REPORT

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

Area  
**Store 1 - Cowen [RO#144143]**  
 Machine Id  
**JOHN DEERE 748L II 1DW748LBTMF711946**  
 Component  
**Front Axle**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (8 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0042205</b>	LEC0038678	LEC0034790
Sample Date		Client Info		<b>23 Oct 2023</b>	14 Feb 2023	29 Sep 2022
Machine Age	hrs	Client Info		<b>2064</b>	1484	1122
Oil Age	hrs	Client Info		<b>1493</b>	913	551
Filter Age	hrs	Client Info		<b>942</b>	362	551
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Not Changd</b>	Not Changd	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

PQ		ASTM D8184		<b>31</b>	31	25
Iron	ppm	ASTM D5185m	>750	<b>139</b>	99	72
Chromium	ppm	ASTM D5185m	>11	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>10	<b>1</b>	<1	2
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>21	<b>1</b>	0	<1
Lead	ppm	ASTM D5185m	>49	<b>1</b>	1	4
Copper	ppm	ASTM D5185m	>101	<b>11</b>	8	6
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

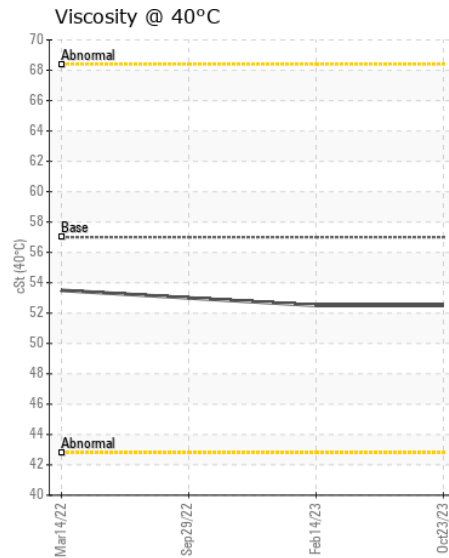
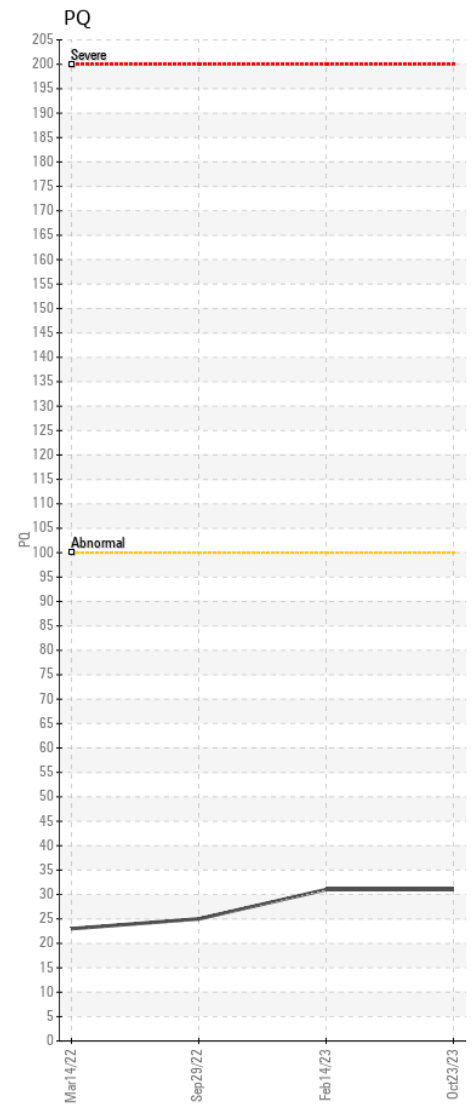
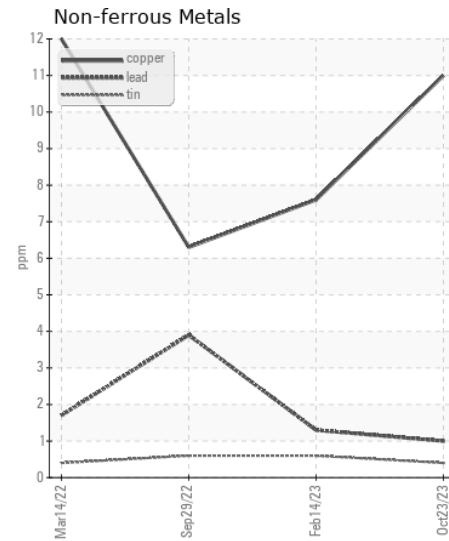
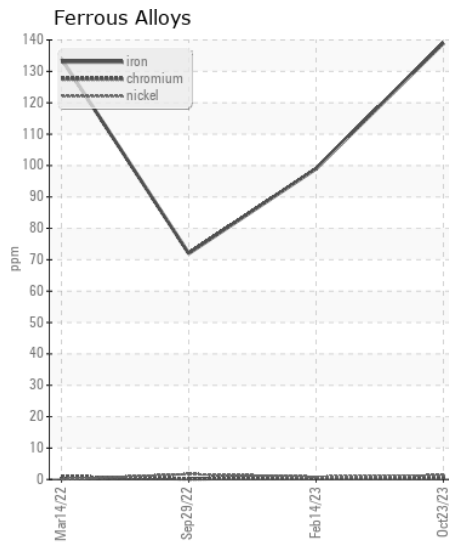
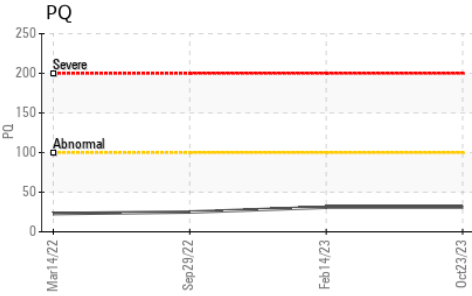
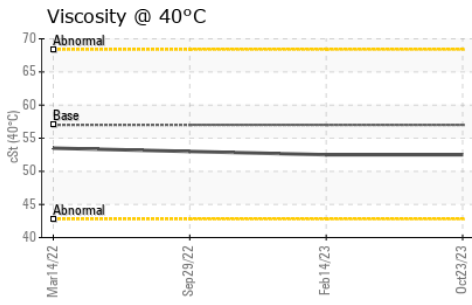
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	<b>8</b>	6	7
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	0
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>2</b>	5	4
Boron	ppm	ASTM D5185m	6	<b>0</b>	5	2
Barium	ppm	ASTM D5185m	0	<b>&lt;1</b>	1	0
Molybdenum	ppm	ASTM D5185m	0	<b>2</b>	4	6
Manganese	ppm	ASTM D5185m		<b>3</b>	2	3
Magnesium	ppm	ASTM D5185m	145	<b>113</b>	100	110
Calcium	ppm	ASTM D5185m	3570	<b>3363</b>	3274	3402
Phosphorus	ppm	ASTM D5185m	1290	<b>1125</b>	929	1031
Zinc	ppm	ASTM D5185m	1640	<b>1305</b>	1157	1210
Sulfur	ppm	ASTM D5185m		<b>3786</b>	3783	3753
Visc @ 40°C	cSt	ASTM D445	57.0	<b>52.5</b>	52.5	53.0



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0042205 **Received** : 26 Oct 2023  
**Lab Number** : 05990669 **Tested** : 27 Oct 2023  
**Unique Number** : 10713331 **Diagnosed** : 30 Oct 2023 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**LESLIE EQUIPMENT COMPANY**  
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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)