



# OIL ANALYSIS REPORT

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



Area  
**Store 2 - Beaver [ro#134392]**  
Machine Id  
**JOHN DEERE 848L 1DW848LBEKF697223**  
Component  
**Front Axle**  
Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (28 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0035880</b>	LEC0027402	LEC0019632
Sample Date		Client Info		<b>20 Dec 2022</b>	14 Apr 2022	03 Nov 2021
Machine Age	hrs	Client Info		<b>3883</b>	3270	2658
Oil Age	hrs	Client Info		<b>1807</b>	1194	582
Filter Age	hrs	Client Info		<b>613</b>	1194	582
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Filter Changed		Client Info		<b>Not Changed</b>	Changed	Not Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>10</b>	17	19
Iron	ppm	ASTM D5185m	>750	<b>27</b>	16	16
Chromium	ppm	ASTM D5185m	>11	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	<1	<1
Aluminum	ppm	ASTM D5185m	>21	<b>4</b>	2	2
Lead	ppm	ASTM D5185m	>49	<b>1</b>	<1	<1
Copper	ppm	ASTM D5185m	>101	<b>1</b>	1	<1
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

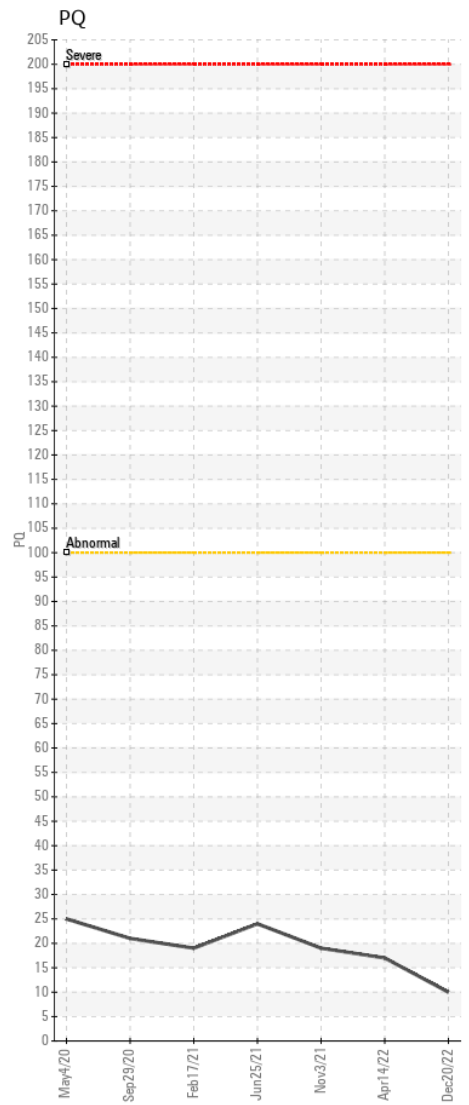
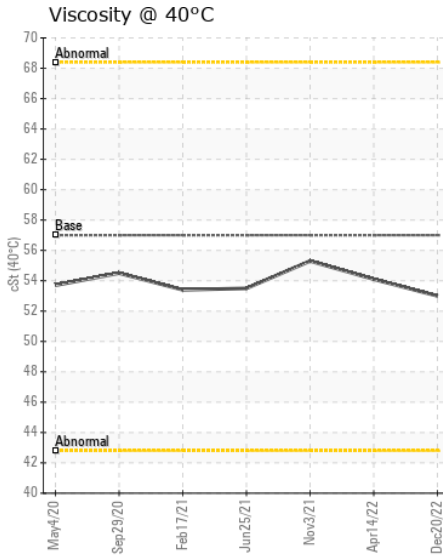
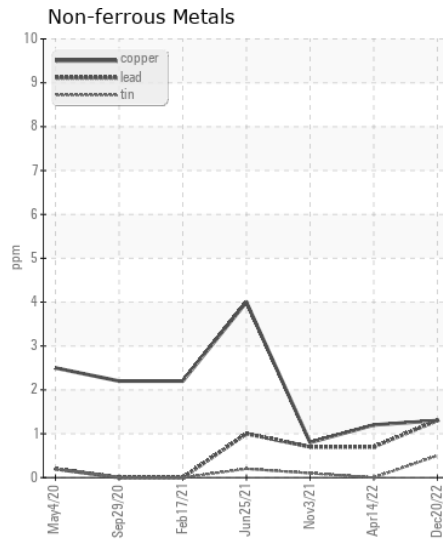
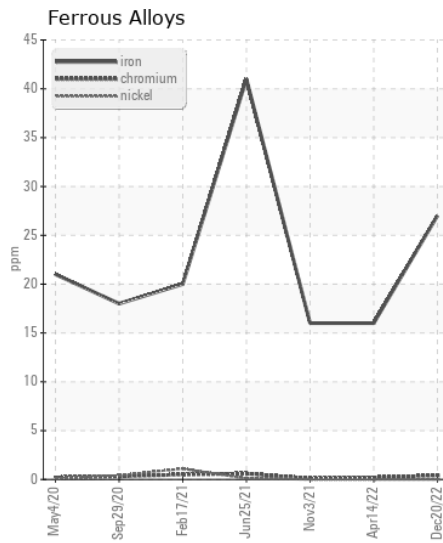
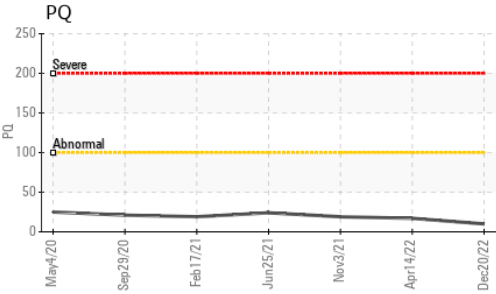
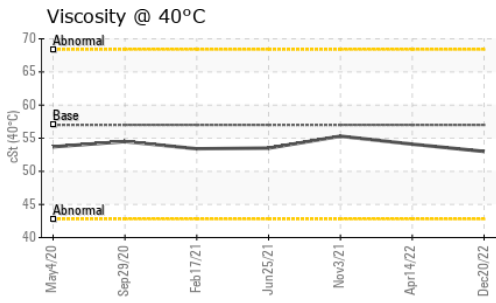
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	<b>13</b>	5	10
Potassium	ppm	ASTM D5185m	>20	<b>0</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>2</b>	0	0
Boron	ppm	ASTM D5185m	6	<b>&lt;1</b>	0	5
Barium	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>2</b>	2	5
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m	145	<b>102</b>	100	110
Calcium	ppm	ASTM D5185m	3570	<b>3798</b>	3607	4071
Phosphorus	ppm	ASTM D5185m	1290	<b>1131</b>	1065	1137
Zinc	ppm	ASTM D5185m	1640	<b>1287</b>	1162	1305
Sulfur	ppm	ASTM D5185m		<b>4205</b>	3222	3328
Visc @ 40°C	cSt	ASTM D445	57.0	<b>53.0</b>	54.1	55.3



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0035880 **Received** : 23 Dec 2022  
**Lab Number** : 05725047 **Diagnosed** : 27 Dec 2022  
**Unique Number** : 10269628 **Diagnostician** : Jonathan Hester  
**Test Package** : CONST ( Additional Tests: PQ )

**MOUNTAINEER MECHANIZED**  
 PO BOX 623  
 PINEVILLE, WV  
 US 24874  
 Contact: ERIC BOGGS  
 eric@moutaineerforest.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)

T:  
F: