



# OIL ANALYSIS REPORT

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

Area  
**Store 2 - Beaver [RO#126563]**  
 Machine Id  
**JOHN DEERE 1DW848LBEKF697223**  
 Component  
**Brake**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (27 mL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0027400</b>	LEC0019630	LEC0013891
Sample Date		Client Info		<b>14 Apr 2022</b>	03 Nov 2021	29 Sep 2020
Machine Age	hrs	Client Info		<b>3270</b>	2658	1009
Oil Age	hrs	Client Info		<b>2261</b>	1649	1009
Filter Age	hrs	Client Info		<b>0</b>	0	1009
Oil Changed		Client Info		<b>Changed</b>	Not Chngd	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	Not Chngd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>32</b>	30	59
Iron	ppm	ASTM D5185m	>350	<b>149</b>	124	156
Chromium	ppm	ASTM D5185m	>5	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>3</b>	3	30
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Aluminum	ppm	ASTM D5185m	>8	<b>9</b>	6	2
Lead	ppm	ASTM D5185m	>10	<b>13</b>	13	35
Copper	ppm	ASTM D5185m	>150	<b>1</b>	1	3
Tin	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>LIGHT</b>	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

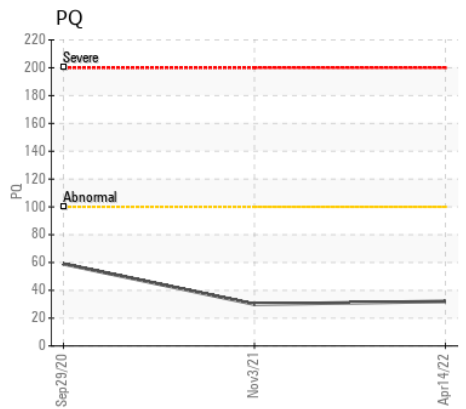
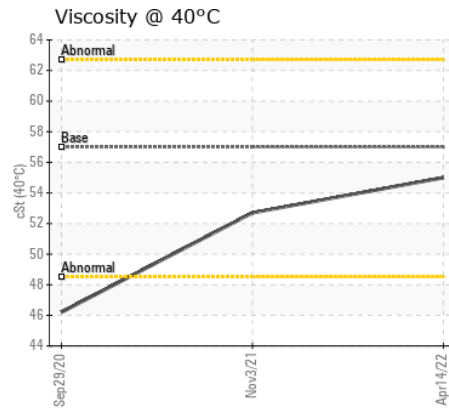
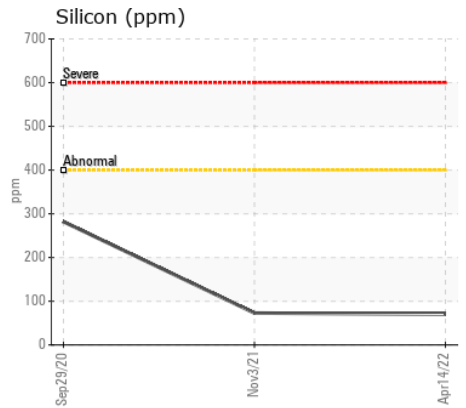
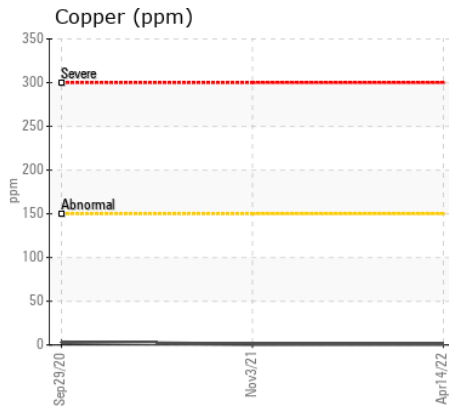
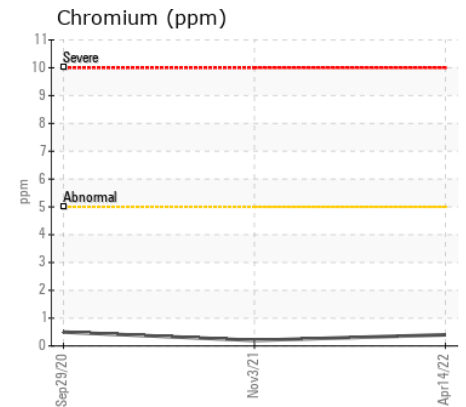
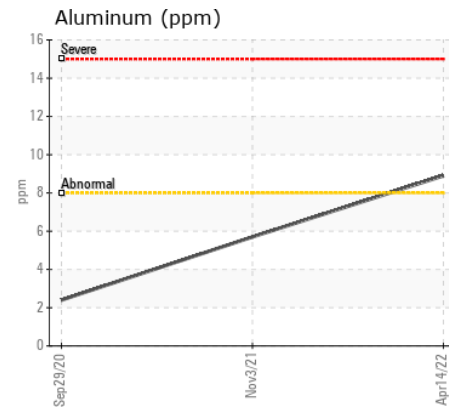
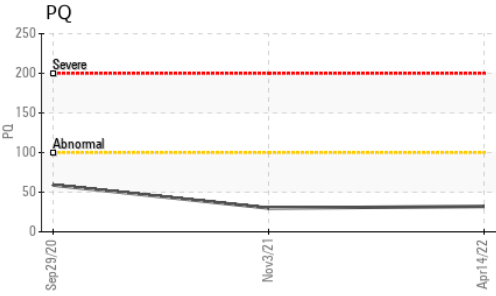
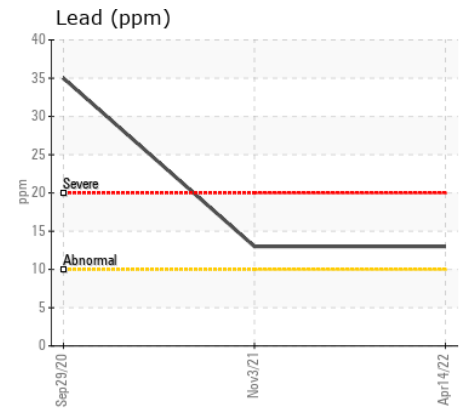
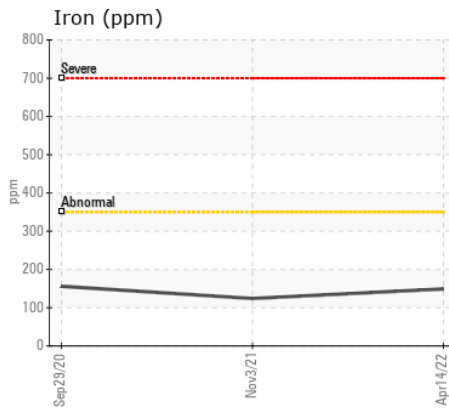
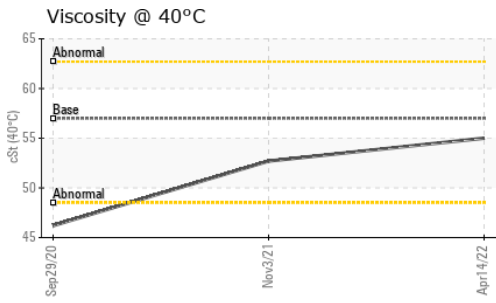
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>400	<b>70</b>	73	282
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	8	12
Water		WC Method	>0.2	<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	>0.2	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>23</b>	19	24
Boron	ppm	ASTM D5185m	6	<b>28</b>	44	214
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185m	0	<b>121</b>	76	62
Manganese	ppm	ASTM D5185m		<b>2</b>	2	2
Magnesium	ppm	ASTM D5185m	145	<b>151</b>	176	791
Calcium	ppm	ASTM D5185m	3570	<b>3338</b>	3599	1169
Phosphorus	ppm	ASTM D5185m	1290	<b>1055</b>	1104	658
Zinc	ppm	ASTM D5185m	1640	<b>1098</b>	1209	763
Sulfur	ppm	ASTM D5185m		<b>3354</b>	3382	2404
Visc @ 40°C	cSt	ASTM D445	57.0	<b>55.0</b>	52.7	46.2



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0027400 **Received** : 19 Apr 2022  
**Lab Number** : 05523726 **Diagnosed** : 21 Apr 2022  
**Unique Number** : 9943006 **Diagnostician** : Don Baldridge  
**Test Package** : MOBCE ( Additional Tests: PQ )

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