



OIL ANALYSIS REPORT

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

Area  
**Store 2 - Beaver [RO#148883]**  
Machine Id  
**JOHN DEERE 460P 1DW460PAEPFB06250**  
Component  
**Front Axle**  
Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (16 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0048863</b>	LEC0046923	LEC0042617
Sample Date		Client Info		<b>15 Apr 2024</b>	24 Jan 2024	31 Aug 2023
Machine Age	hrs	Client Info		<b>1636</b>	1148	577
Oil Age	hrs	Client Info		<b>1636</b>	1148	577
Filter Age	hrs	Client Info		<b>1059</b>	571	577
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>19</b>	19	13
Iron	ppm	ASTM D5185m	>750	<b>31</b>	34	25
Chromium	ppm	ASTM D5185m	>11	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>21	<b>&lt;1</b>	2	3
Lead	ppm	ASTM D5185m	>49	<b>12</b>	10	7
Copper	ppm	ASTM D5185m	>101	<b>18</b>	19	12
Tin	ppm	ASTM D5185m	>10	<b>2</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

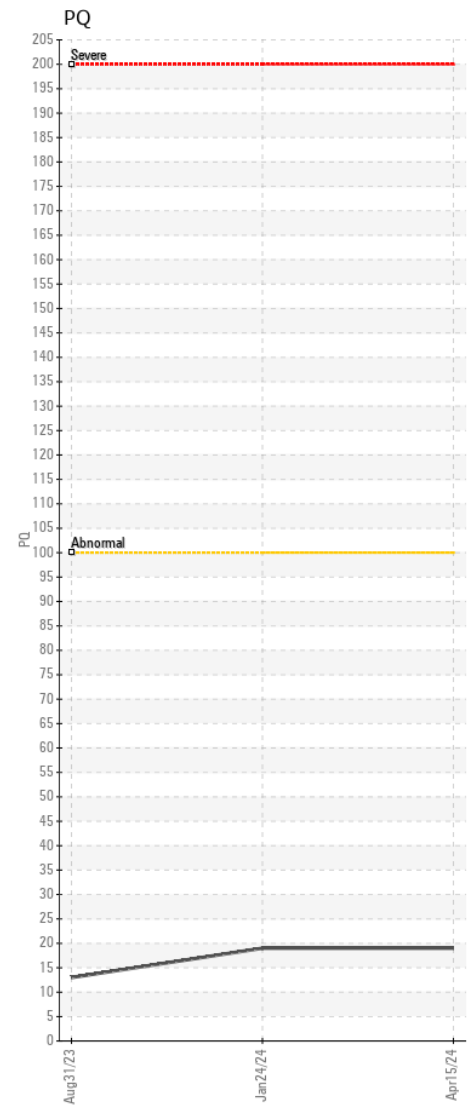
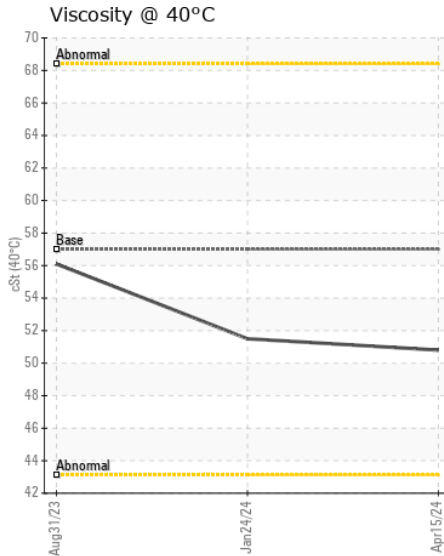
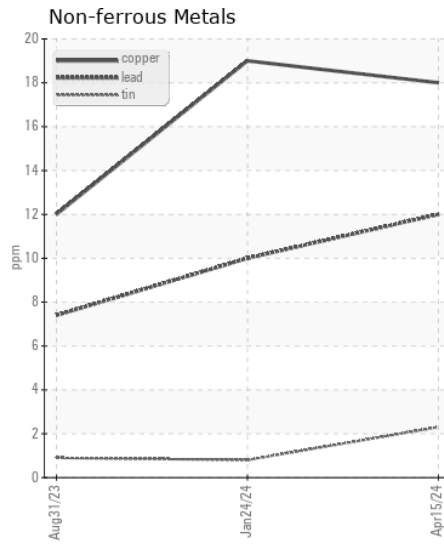
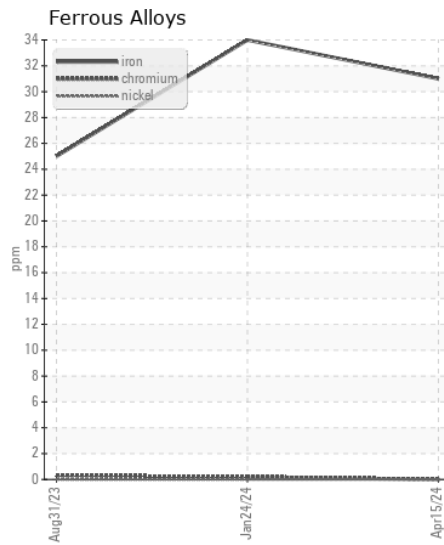
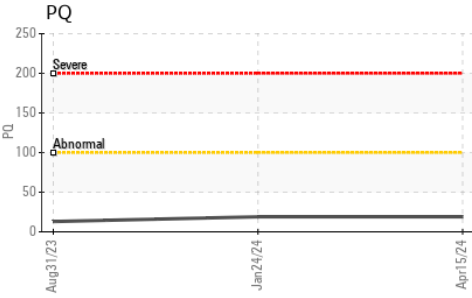
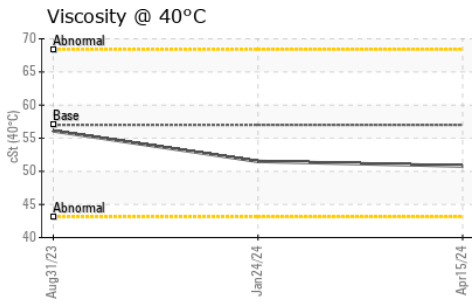
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	<b>4</b>	5	5
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	3	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>4</b>	0	3
Boron	ppm	ASTM D5185m	6	<b>0</b>	1	<1
Barium	ppm	ASTM D5185m	0	<b>5</b>	6	7
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	0
Manganese	ppm	ASTM D5185m		<b>1</b>	2	2
Magnesium	ppm	ASTM D5185m	145	<b>104</b>	107	100
Calcium	ppm	ASTM D5185m	3570	<b>3556</b>	3599	3653
Phosphorus	ppm	ASTM D5185m	1290	<b>1084</b>	1114	1060
Zinc	ppm	ASTM D5185m	1640	<b>1215</b>	1292	1267
Sulfur	ppm	ASTM D5185m		<b>4182</b>	4267	3976
Visc @ 40°C	cSt	ASTM D445	57.0	<b>50.8</b>	51.5	56.1



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0048863 **Received** : 18 Apr 2024  
**Lab Number** : 06153356 **Tested** : 19 Apr 2024  
**Unique Number** : 10983434 **Diagnosed** : 19 Apr 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

**LESLIE EQUIPMENT COMPANY**  
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 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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