



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

Area

**[W50183]**

Machine Id

**JOHN DEERE 843L 1DW843LBCLF708038**

Component

**Rear Differential**

Fluid

**JOHN DEERE HY-GARD HYD/TRANS (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0180751</b>	JR0076047	---
Sample Date		Client Info		<b>28 Feb 2024</b>	09 Apr 2021	---
Machine Age	hrs	Client Info		<b>4902</b>	515	---
Oil Age	hrs	Client Info		<b>0</b>	515	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>N/A</b>	Changed	---
Filter Changed		Client Info		<b>N/A</b>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>58</b>	189	---
Iron	ppm	ASTM D5185m	>500	<b>127</b>	226	---
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	2	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	1	---
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185m	>25	<b>&lt;1</b>	<1	---
Lead	ppm	ASTM D5185m	>25	<b>1</b>	1	---
Copper	ppm	ASTM D5185m	>100	<b>20</b>	7	---
Tin	ppm	ASTM D5185m	>10	<b>2</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	MODER	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

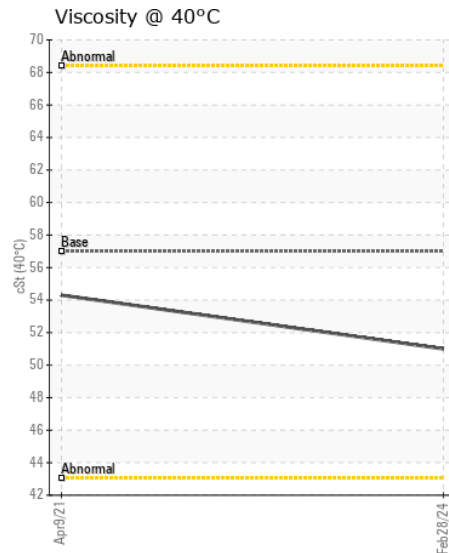
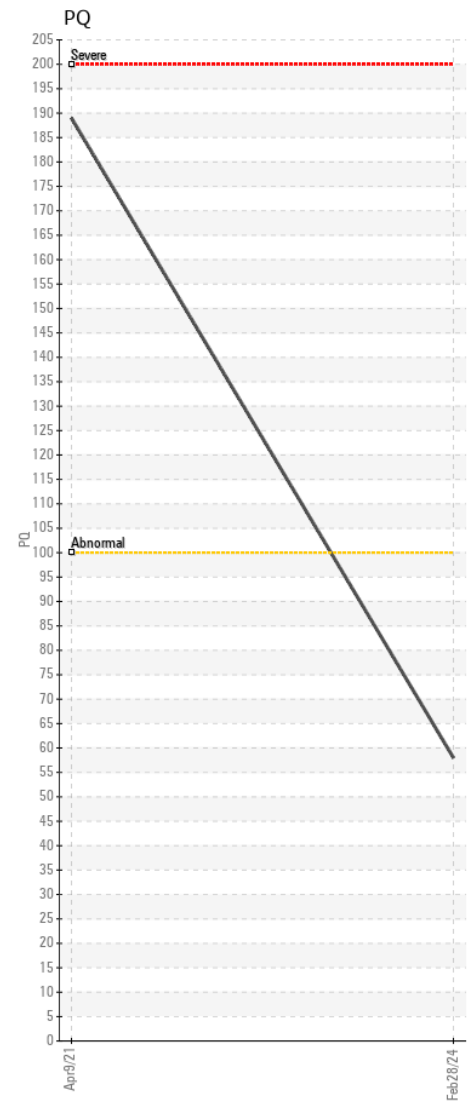
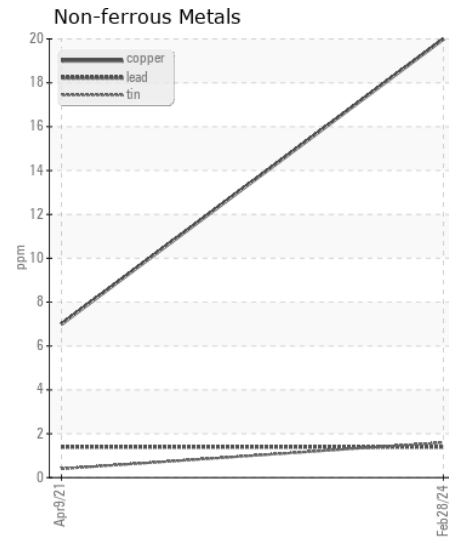
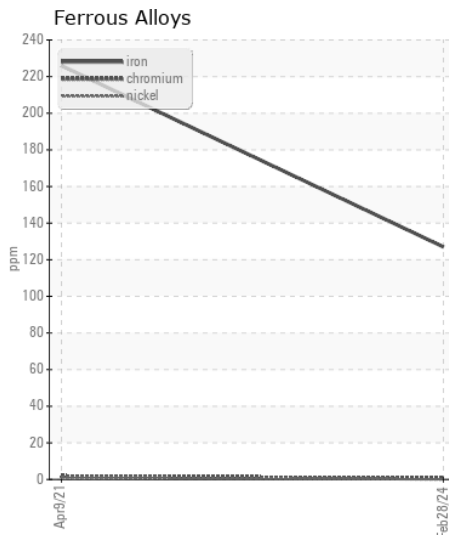
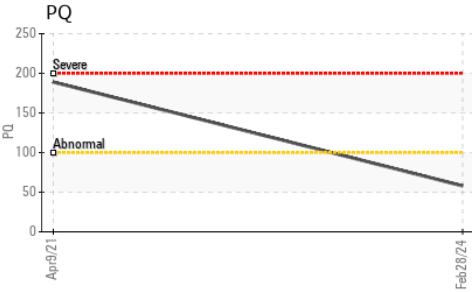
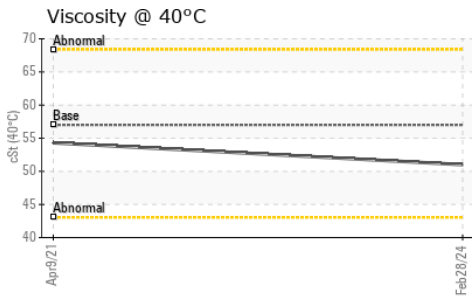
There is no indication of any contamination in the oil.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Silicon	ppm	ASTM D5185m	>75	<b>6</b>	11	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	4	---
Water		WC Method	>.2	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>.2	<b>NEG</b>	NEG	---

### FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sodium	ppm	ASTM D5185m		<b>2</b>	3	---
Boron	ppm	ASTM D5185m	6	<b>0</b>	4	---
Barium	ppm	ASTM D5185m	0	<b>&lt;1</b>	6	---
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>3</b>	9	---
Magnesium	ppm	ASTM D5185m	145	<b>95</b>	98	---
Calcium	ppm	ASTM D5185m	3570	<b>3224</b>	3365	---
Phosphorus	ppm	ASTM D5185m	1290	<b>982</b>	978	---
Zinc	ppm	ASTM D5185m	1640	<b>1188</b>	1177	---
Sulfur	ppm	ASTM D5185m		<b>3395</b>	2825	---
Visc @ 40°C	cSt	ASTM D445	57.0	<b>51.0</b>	54.3	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0180751 **Received** : 29 Feb 2024  
**Lab Number** : 06105464 **Tested** : 01 Mar 2024  
**Unique Number** : 10903694 **Diagnosed** : 01 Mar 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

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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)