



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

Area

**[47857]**

Machine Id

**JOHN DEERE 850L 1T0850LXJPF445777**

Component

**Left Outer Final Drive**

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>JR0225458</b>	JR0211297	JR0196013
Sample Date		Client Info		<b>10 Jul 2024</b>	11 Apr 2024	04 Dec 2023
Machine Age	hrs	Client Info		<b>1978</b>	1494	972
Oil Age	hrs	Client Info		<b>1456</b>	522	972
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	None
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>59</b>	44	95
Iron	ppm	ASTM D5185m	>750	<b>62</b>	50	85
Chromium	ppm	ASTM D5185m	>9	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Aluminum	ppm	ASTM D5185m	>40	<b>4</b>	3	3
Lead	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185m	>40	<b>&lt;1</b>	0	<1
Tin	ppm	ASTM D5185m	>10	<b>0</b>	1	0
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

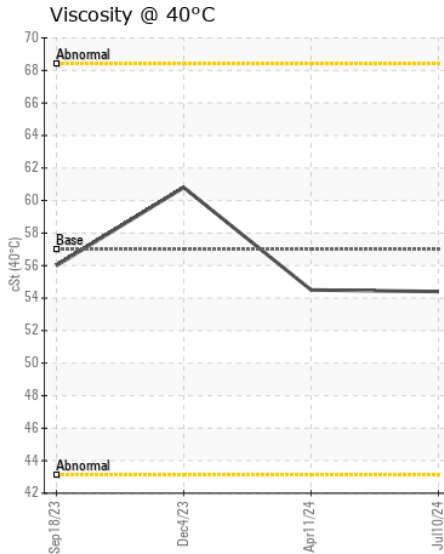
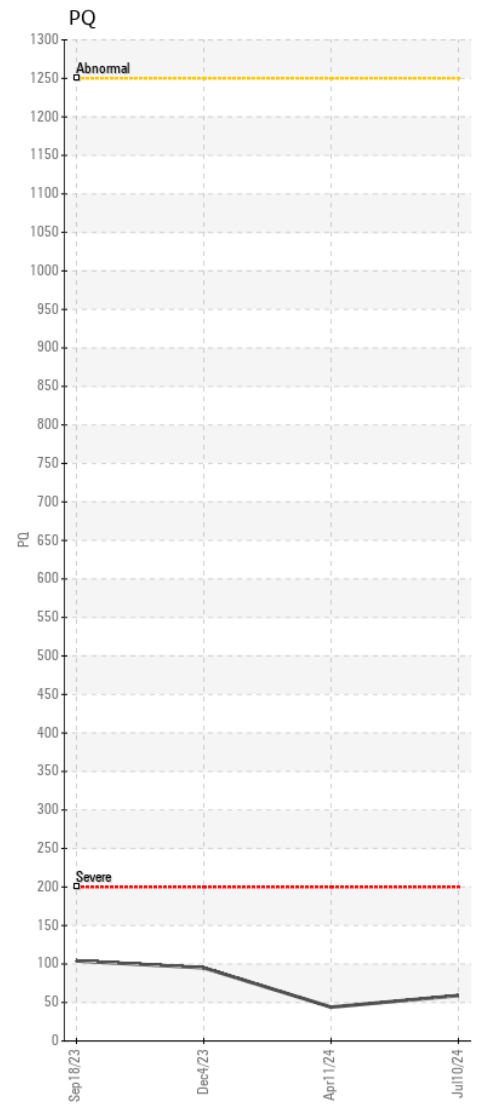
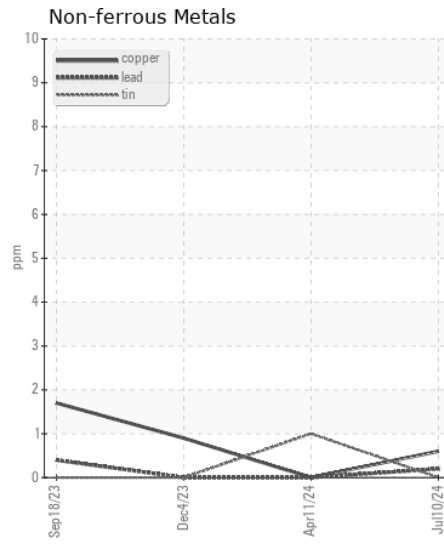
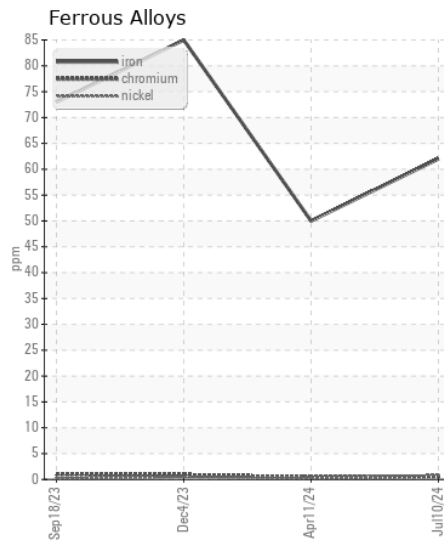
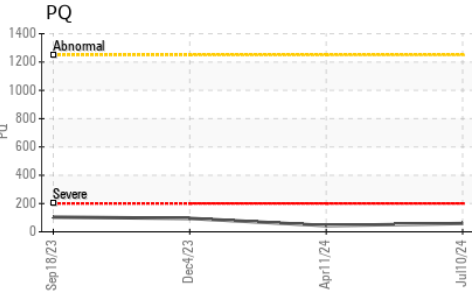
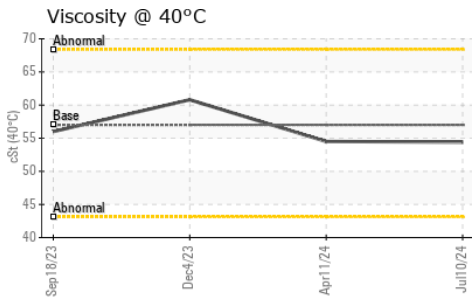
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>22</b>	20	11
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	<1	0
Water		WC Method	>0.075	<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	>0.075	<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>0</b>	2	2
Boron	ppm	ASTM D5185m	6	<b>16</b>	5	2
Barium	ppm	ASTM D5185m	0	<b>0</b>	<1	4
Molybdenum	ppm	ASTM D5185m	0	<b>13</b>	4	0
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	2
Magnesium	ppm	ASTM D5185m	145	<b>140</b>	107	105
Calcium	ppm	ASTM D5185m	3570	<b>3548</b>	3145	3345
Phosphorus	ppm	ASTM D5185m	1290	<b>1032</b>	904	1070
Zinc	ppm	ASTM D5185m	1640	<b>1272</b>	1065	1292
Sulfur	ppm	ASTM D5185m		<b>3556</b>	3993	3803
Visc @ 40°C	cSt	ASTM D445	57.0	<b>54.4</b>	54.5	60.8



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0225458 **Received** : 11 Jul 2024  
**Lab Number** : 06233542 **Tested** : 12 Jul 2024  
**Unique Number** : 11117035 **Diagnosed** : 12 Jul 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

**B & S SITE DEVELOPMENT**  
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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)