



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

Machine Id  
**JOHN DEERE 310SL 1T0310SLCJF343241**  
 Component  
**Rear Left Planetary**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor. NOTE: one of two samples received with same ID and sampling date.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0170715</b>	JR0170728	---
Sample Date		Client Info		<b>08 May 2024</b>	08 May 2024	---
Machine Age	hrs	Client Info		<b>793</b>	793	---
Oil Age	hrs	Client Info		<b>793</b>	793	---
Filter Age	hrs	Client Info		<b>793</b>	793	---
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	---
Filter Changed		Client Info		<b>Not Changd</b>	Not Changd	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>368</b>	237	---
Iron	ppm	ASTM D5185m	>500	<b>452</b>	737	---
Chromium	ppm	ASTM D5185m	>10	<b>6</b>	4	---
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	2	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	2	---
Lead	ppm	ASTM D5185m	>25	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>75	<b>4</b>	21	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

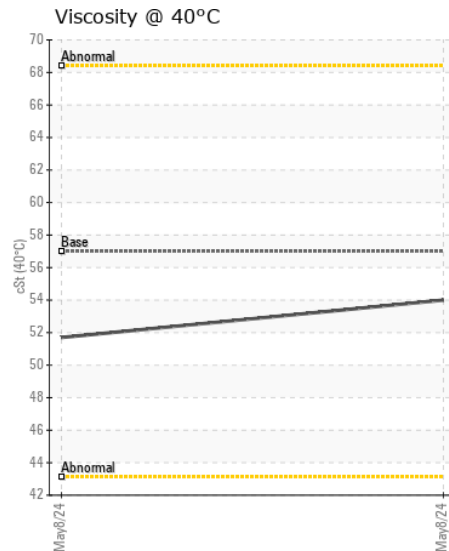
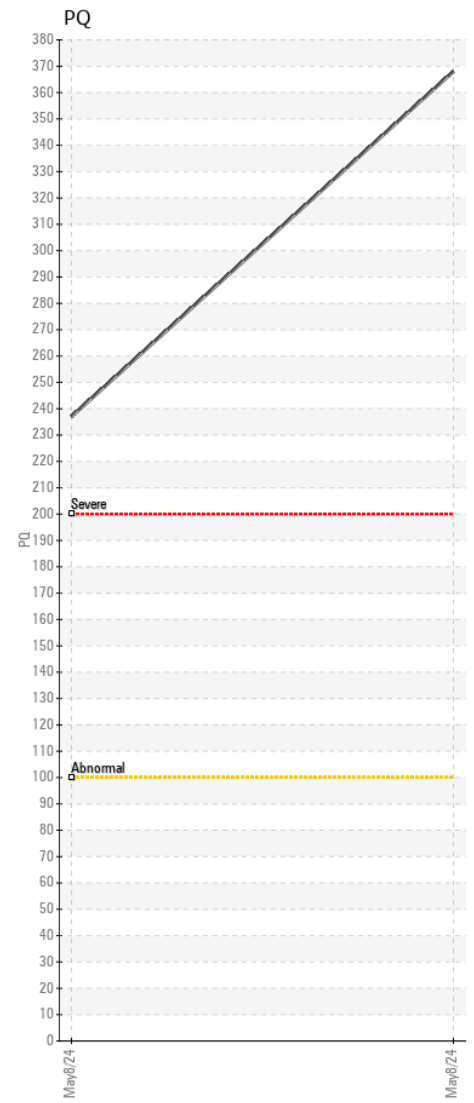
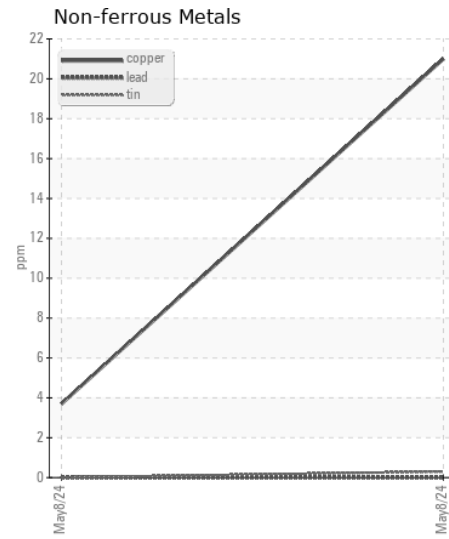
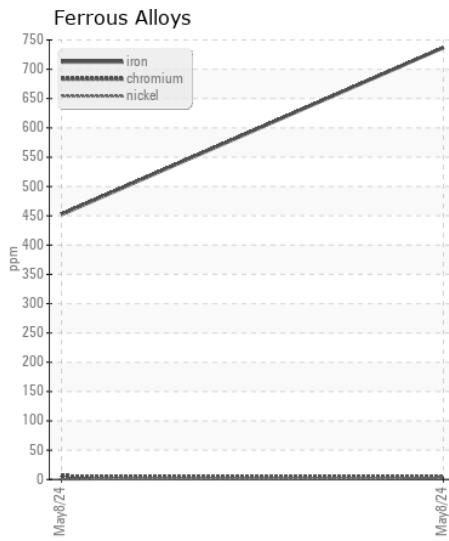
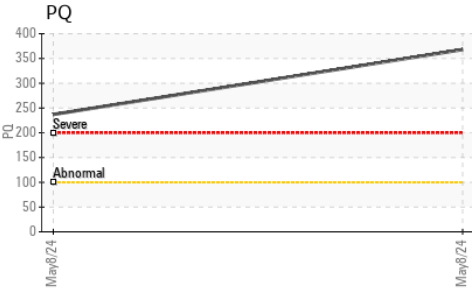
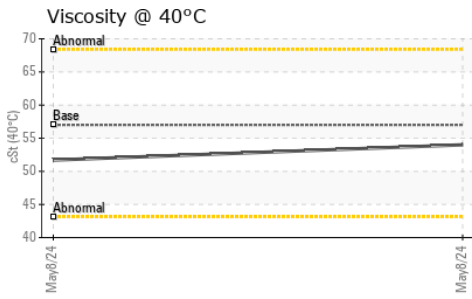
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>16</b>	17	---
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	2	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>MODER</b>	LIGHT	---
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	>0.2	<b>NEG</b>	NEG	---

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>13</b>	5	---
Boron	ppm	ASTM D5185m	6	<b>134</b>	2	---
Barium	ppm	ASTM D5185m	0	<b>&lt;1</b>	3	---
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>7</b>	10	---
Magnesium	ppm	ASTM D5185m	145	<b>12</b>	103	---
Calcium	ppm	ASTM D5185m	3570	<b>3442</b>	3477	---
Phosphorus	ppm	ASTM D5185m	1290	<b>1250</b>	1143	---
Zinc	ppm	ASTM D5185m	1640	<b>1439</b>	1217	---
Sulfur	ppm	ASTM D5185m		<b>4119</b>	3977	---
Visc @ 40°C	cSt	ASTM D445	57.0	<b>54.0</b>	51.7	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0170715 **Received** : 10 May 2024  
**Lab Number** : 06175751 **Tested** : 13 May 2024  
**Unique Number** : 11021804 **Diagnosed** : 15 May 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

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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