



Machine Id  
**JOHN DEERE 35G 1FF035GXCMK295887**  
 Component  
**Right 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>JR0212659</b>	JR0156582	---
Sample Date		Client Info		<b>22 May 2024</b>	01 Aug 2023	---
Machine Age	hrs	Client Info		<b>997</b>	476	---
Oil Age	hrs	Client Info		<b>476</b>	476	---
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>ABNORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>90</b>	62	---
Iron	ppm	ASTM D5185m	>750	<b>272</b>	119	---
Chromium	ppm	ASTM D5185m	>9	<b>6</b>	2	---
Nickel	ppm	ASTM D5185m	>10	<b>3</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>2</b>	<1	---
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185m	>40	<b>10</b>	2	---
Lead	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	---
Copper	ppm	ASTM D5185m	>40	<b>5</b>	3	---
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	---
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

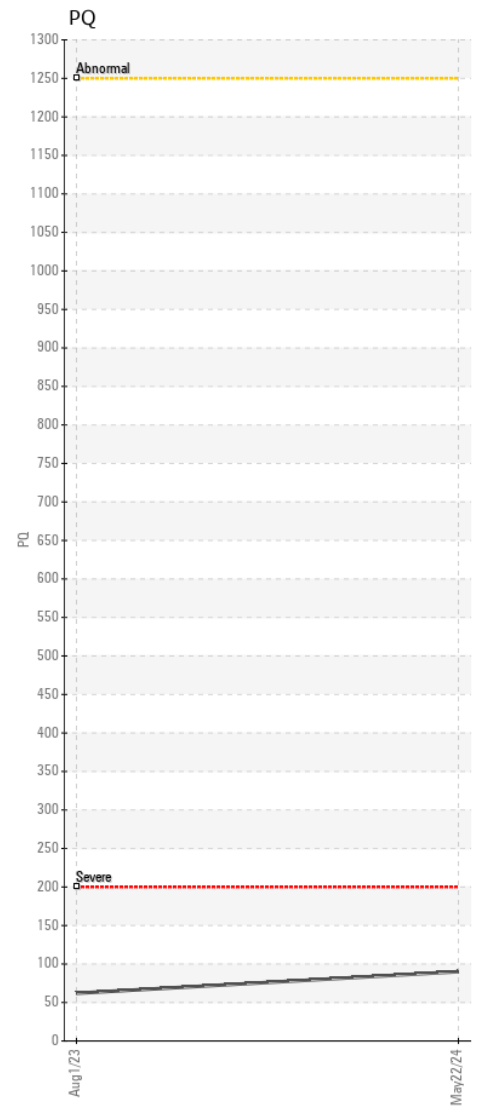
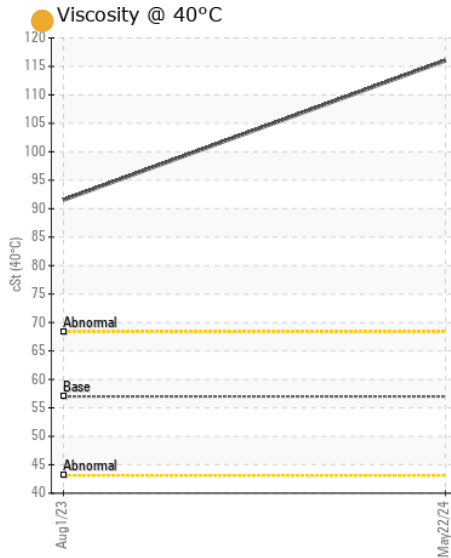
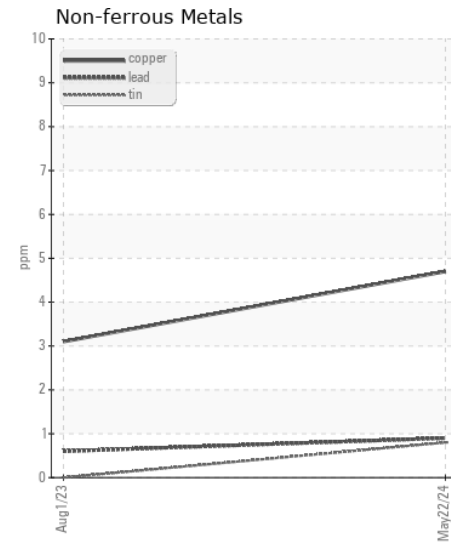
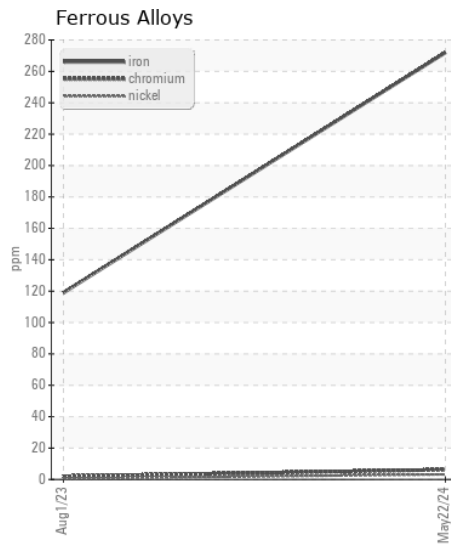
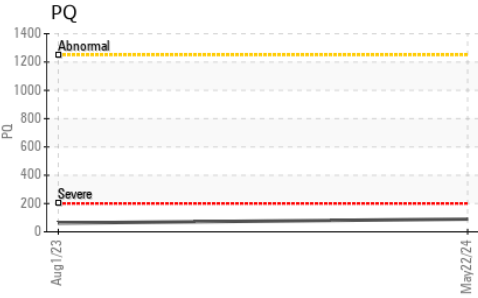
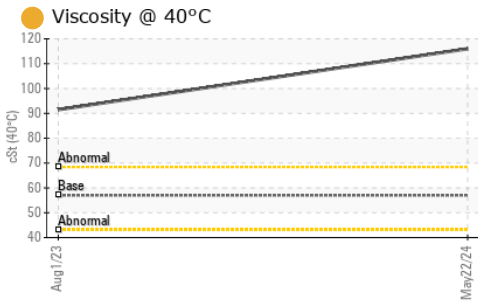
Moderate concentration of visible dirt/debris present in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>42</b>	11	---
Potassium	ppm	ASTM D5185m	>20	<b>7</b>	2	---
Water		WC Method	>0.075	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>▲ MODER</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	>0.075	<b>NEG</b>	NEG	---

### FLUID CONDITION

The oil viscosity is higher than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Sodium	ppm	ASTM D5185m	>51	<b>6</b>	5	---
Boron	ppm	ASTM D5185m	6	<b>● 332</b>	15	---
Barium	ppm	ASTM D5185m	0	<b>● 26</b>	18	---
Molybdenum	ppm	ASTM D5185m	0	<b>● 23</b>	17	---
Manganese	ppm	ASTM D5185m		<b>6</b>	3	---
Magnesium	ppm	ASTM D5185m	145	<b>● 415</b>	17	---
Calcium	ppm	ASTM D5185m	3570	<b>4990</b>	3894	---
Phosphorus	ppm	ASTM D5185m	1290	<b>1274</b>	579	---
Zinc	ppm	ASTM D5185m	1640	<b>972</b>	749	---
Sulfur	ppm	ASTM D5185m		<b>● 12587</b>	2739	---
Visc @ 40°C	cSt	ASTM D445	57.0	<b>● 116</b>	91.5	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0212659 **Received** : 23 May 2024  
**Lab Number** : 06189512 **Tested** : 25 May 2024  
**Unique Number** : 11046264 **Diagnosed** : 28 May 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - GARNER**  
 4161 AUBURN CHURCH RD  
 GARNER, NC  
 US 27529

Contact: RALEIGH SHOP  
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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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