



Machine Id  
**JOHN DEERE 350G 1FF350GXJFF810816**  
 Component  
**Left Final Drive**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (9 QTS)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0222404</b>	JR0185831	JR0163256
Sample Date		Client Info		<b>11 Jul 2024</b>	19 Sep 2023	21 Mar 2023
Machine Age	hrs	Client Info		<b>8543</b>	8029	7449
Oil Age	hrs	Client Info		<b>514</b>	580	1000
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Changed	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>ATTENTION</b>	NORMAL	SEVERE

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>120</b>	11	384
Iron	ppm	ASTM D5185m	>750	<b>492</b>	0	1784
Chromium	ppm	ASTM D5185m	>9	<b>13</b>	0	13
Nickel	ppm	ASTM D5185m	>10	<b>1</b>	0	2
Titanium	ppm	ASTM D5185m		<b>3</b>	0	5
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>3</b>	<1	119
Lead	ppm	ASTM D5185m	>15	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>40	<b>12</b>	0	4
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

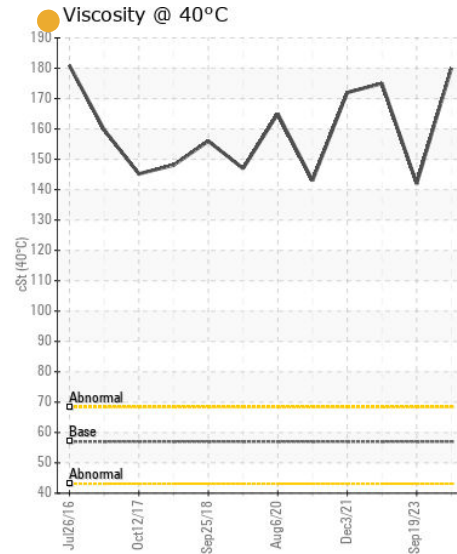
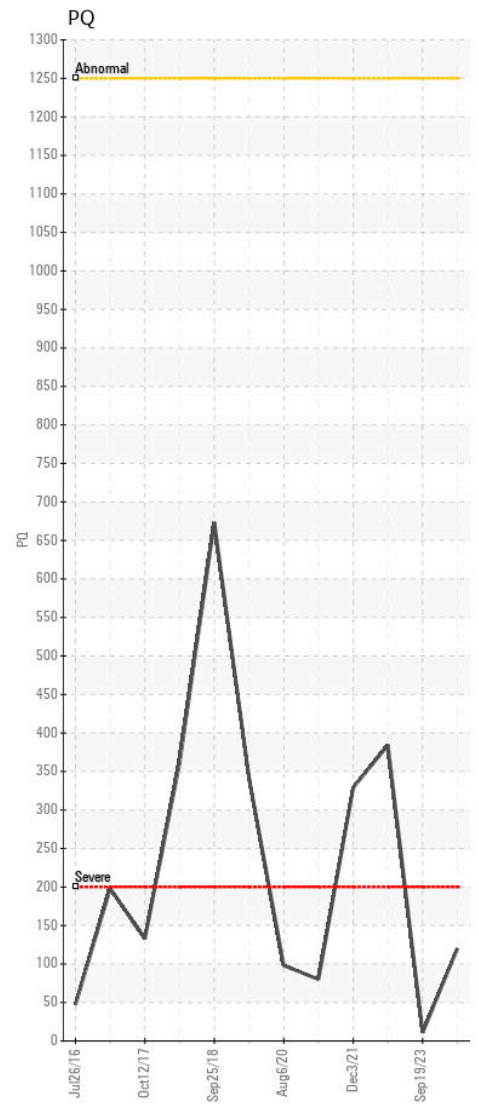
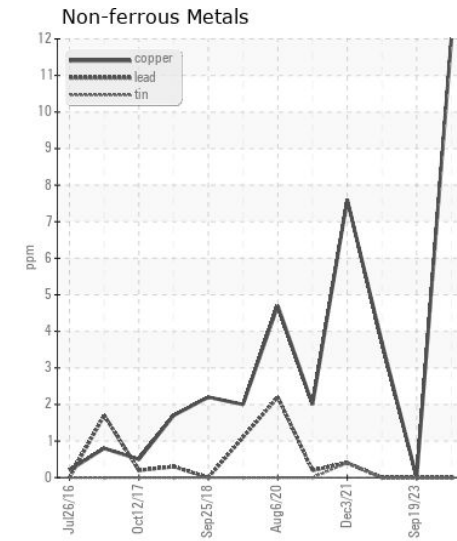
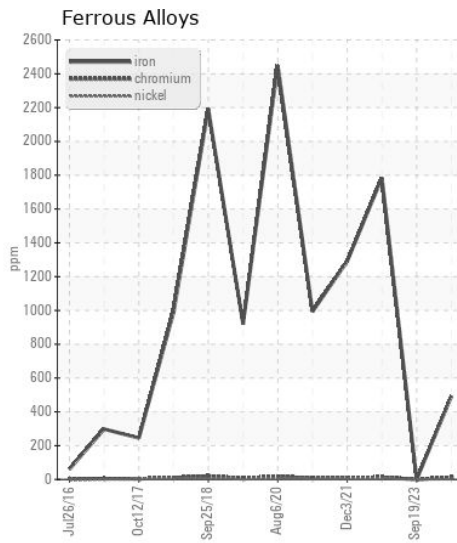
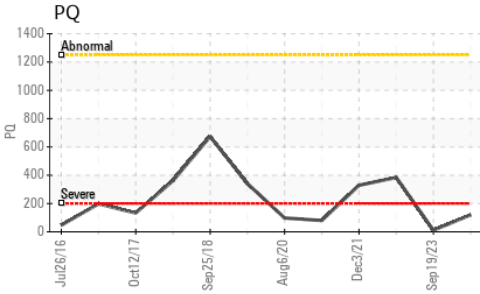
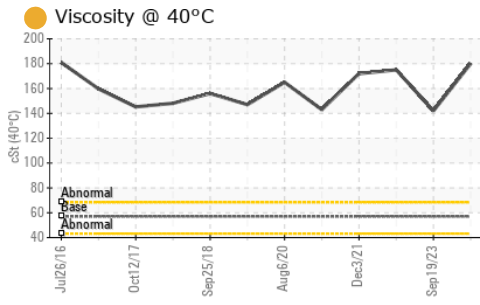
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>11</b>	<1	444
Potassium	ppm	ASTM D5185m	>20	<b>5</b>	0	35
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 oil viscosity is higher than normal. Confirm oil type.

Sodium	ppm	ASTM D5185m	>51	<b>31</b>	<1	9
Boron	ppm	ASTM D5185m	6	<b>3</b>	0	25
Barium	ppm	ASTM D5185m	0	<b>407</b>	0	<1
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	0	1
Manganese	ppm	ASTM D5185m		<b>10</b>	0	13
Magnesium	ppm	ASTM D5185m	145	<b>2</b>	0	6
Calcium	ppm	ASTM D5185m	3570	<b>49</b>	32	204
Phosphorus	ppm	ASTM D5185m	1290	<b>1058</b>	281	923
Zinc	ppm	ASTM D5185m	1640	<b>22</b>	<1	13
Sulfur	ppm	ASTM D5185m		<b>26497</b>	21529	17579
Visc @ 40°C	cSt	ASTM D445	57.0	<b>180</b>	142	175



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0222404 **Received** : 16 Jul 2024  
**Lab Number** : 06238130 **Tested** : 17 Jul 2024  
**Unique Number** : 11126964 **Diagnosed** : 18 Jul 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - GARNER**  
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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)