



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

Machine Id  
**JOHN DEERE 350G 1FF350GXALF814879**  
 Component  
**Left Final Drive**  
 Fluid  
**JOHN DEERE GL-5 80W90 (3 GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0220401</b>	JR0215024	JR0189268
Sample Date		Client Info		<b>15 Jul 2024</b>	14 May 2024	19 Dec 2023
Machine Age	hrs	Client Info		<b>5002</b>	4707	4137
Oil Age	hrs	Client Info		<b>4432</b>	570	3574
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Changed
Filter Changed		Client Info		<b>N/A</b>	Not Changd	N/A
Sample Status				<b>NORMAL</b>	ABNORMAL	SEVERE

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>16</b>	73	130
Iron	ppm	ASTM D5185m	>750	<b>0</b>	358	▲ 1627
Chromium	ppm	ASTM D5185m	>9	<b>0</b>	3	▲ 19
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	<1	2
Titanium	ppm	ASTM D5185m		<b>0</b>	2	4
Silver	ppm	ASTM D5185m		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m	>40	<b>0</b>	● 36	● 91
Lead	ppm	ASTM D5185m	>15	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m	>40	<b>0</b>	1	2
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

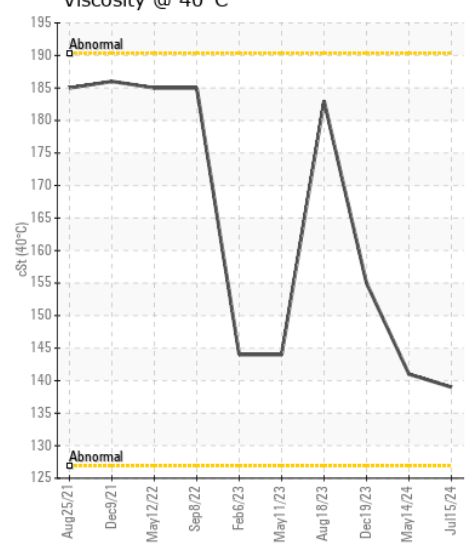
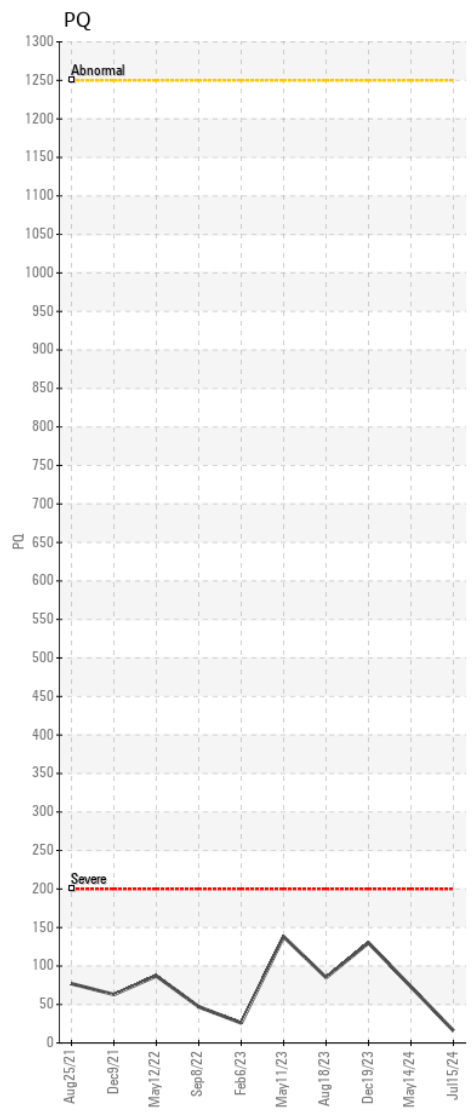
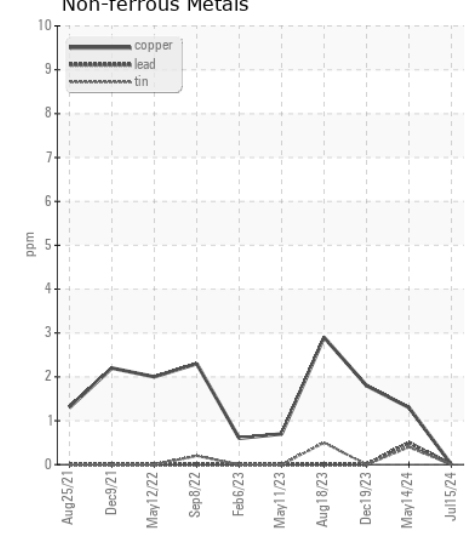
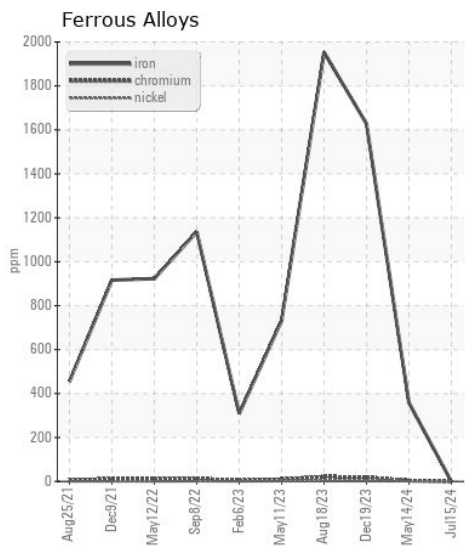
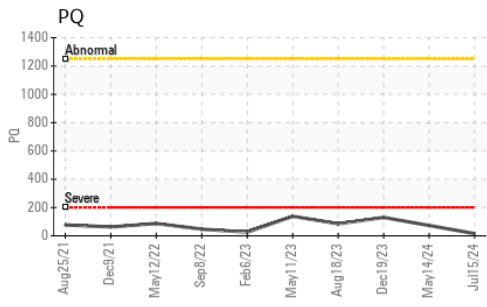
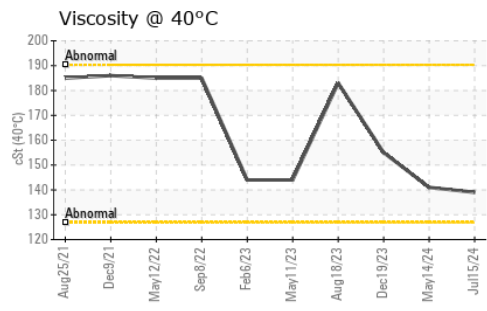
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>75	<b>2</b>	▲ 77	▲ 204
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	6	10
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>	▲ MODER	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 fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	<b>&lt;1</b>	1	6
Boron	ppm	ASTM D5185m		<b>0</b>	2	15
Barium	ppm	ASTM D5185m		<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185m		<b>0</b>	1	0
Manganese	ppm	ASTM D5185m		<b>0</b>	4	16
Magnesium	ppm	ASTM D5185m		<b>2</b>	5	9
Calcium	ppm	ASTM D5185m		<b>1</b>	11	23
Phosphorus	ppm	ASTM D5185m		<b>299</b>	334	347
Zinc	ppm	ASTM D5185m		<b>6</b>	6	17
Sulfur	ppm	ASTM D5185m		<b>19568</b>	21970	17289
Visc @ 40°C	cSt	ASTM D445		<b>139</b>	141	155



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0220401 **Received** : 17 Jul 2024  
**Lab Number** : 06239431 **Tested** : 18 Jul 2024  
**Unique Number** : 11128265 **Diagnosed** : 19 Jul 2024 - Jonathan Hester  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - CHARLOTTE**  
 9550 STATESVILLE ROAD  
 CHARLOTTE, NC  
 US 28269  
 Contact: CHARLOTTE SHOP  
 myoung@jamesriverequipment.com  
 T: (704)597-0211  
 F: (704)596-6198

Certificate L2367  
 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)