



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

Machine Id  
**JOHN DEERE 50G 1FF050GXCHH286613**

Component  
**Left Final Drive**

Fluid  
**JOHN DEERE GL-5 80W90 (--- GAL)**

### RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0210876</b>	JR0117377	JR0075871
Sample Date		Client Info		<b>19 Mar 2024</b>	11 Jan 2022	11 Jan 2021
Machine Age	hrs	Client Info		<b>2615</b>	2187	1583
Oil Age	hrs	Client Info		<b>0</b>	0	1583
Filter Age	hrs	Client Info		<b>0</b>	0	1583
Oil Changed		Client Info		<b>N/A</b>	Changed	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	Changed
Sample Status				<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>289</b>	216	484
Iron	ppm	ASTM D5185m	>750	<b>550</b>	575	806
Chromium	ppm	ASTM D5185m	>9	<b>11</b>	13	23
Nickel	ppm	ASTM D5185m	>10	<b>6</b>	2	4
Titanium	ppm	ASTM D5185m		<b>2</b>	4	4
Silver	ppm	ASTM D5185m		<b>0</b>	4	0
Aluminum	ppm	ASTM D5185m	>40	<b>20</b>	47	36
Lead	ppm	ASTM D5185m	>15	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>40	<b>1</b>	2	3
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

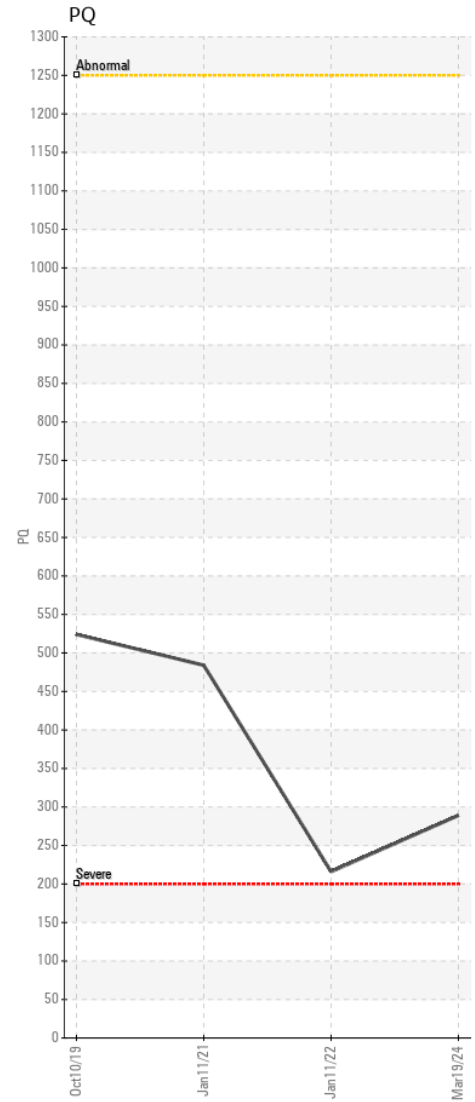
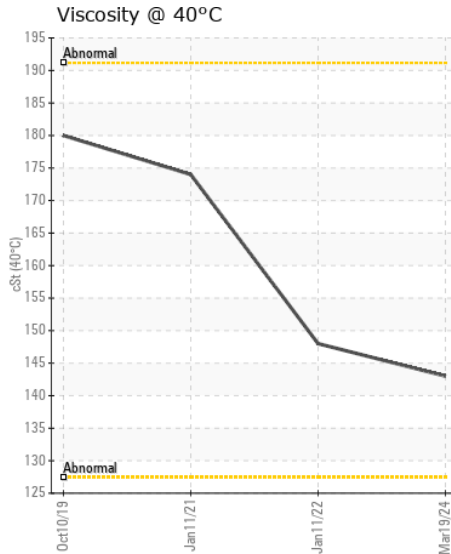
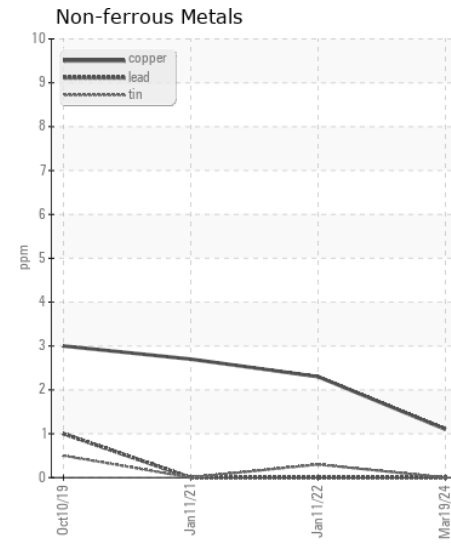
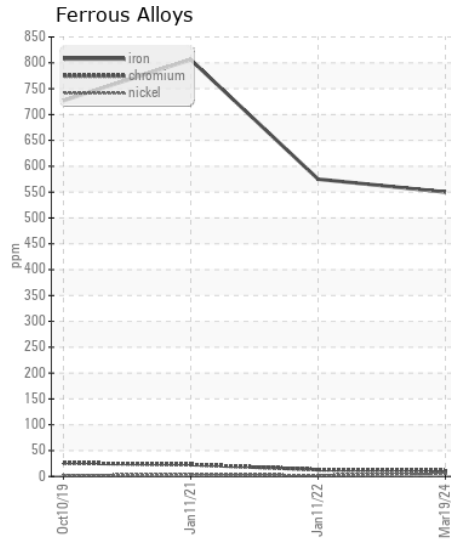
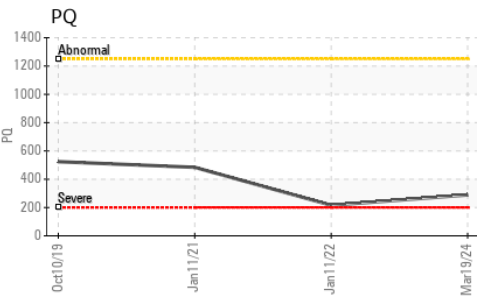
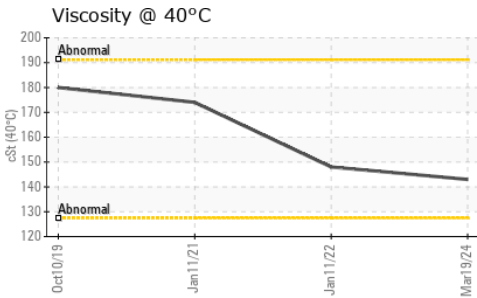
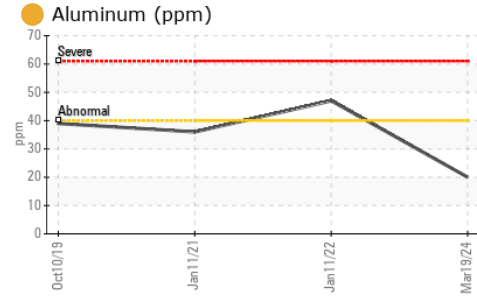
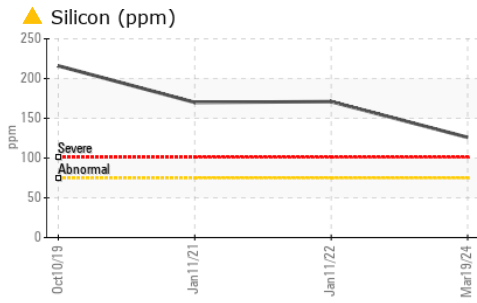
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	<b>126</b>	171	170
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	5	12
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>&lt;1</b>	3	4
Boron	ppm	ASTM D5185m		<b>3</b>	11	34
Barium	ppm	ASTM D5185m		<b>1</b>	2	5
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Manganese	ppm	ASTM D5185m		<b>7</b>	10	16
Magnesium	ppm	ASTM D5185m		<b>1</b>	5	5
Calcium	ppm	ASTM D5185m		<b>8</b>	23	22
Phosphorus	ppm	ASTM D5185m		<b>331</b>	337	390
Zinc	ppm	ASTM D5185m		<b>45</b>	82	126
Sulfur	ppm	ASTM D5185m		<b>20760</b>	17026	11890
Visc @ 40°C	cSt	ASTM D445		<b>143</b>	148	174



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0210876 **Received** : 20 Mar 2024  
**Lab Number** : 06124401 **Tested** : 21 Mar 2024  
**Unique Number** : 10938552 **Diagnosed** : 23 Mar 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - MANASSAS PARK**  
 9107 OWENS DRIVE  
 MANASSAS PARK, VA  
 US 20111

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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)