



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



Machine Id  
**JOHN DEERE 4730 N04730X005553**  
Component  
**Front Left Final Drive**  
Fluid  
**JOHN DEERE GL-5 80W90 (--- QTS)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0201593</b>	JR0149368	JRMC252679
Sample Date		Client Info		<b>02 Mar 2024</b>	04 Apr 2023	02 Feb 2012
Machine Age	hrs	Client Info		<b>0</b>	0	474
Oil Age	hrs	Client Info		<b>0</b>	0	474
Filter Age	hrs	Client Info		<b>0</b>	0	474
Oil Changed		Client Info		<b>N/A</b>	N/A	Not Changd
Filter Changed		Client Info		<b>N/A</b>	N/A	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>31</b>	17	111
Iron	ppm	ASTM D5185m	>750	<b>87</b>	55	143
Chromium	ppm	ASTM D5185m	>9	<b>&lt;1</b>	<1	3
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	2
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>2</b>	0	2
Lead	ppm	ASTM D5185m	>15	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>40	<b>7</b>	<1	88
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

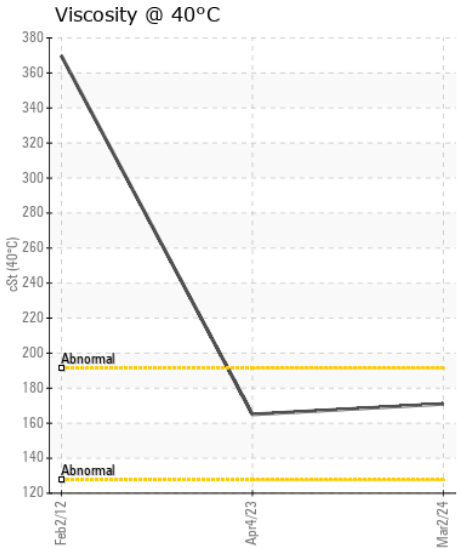
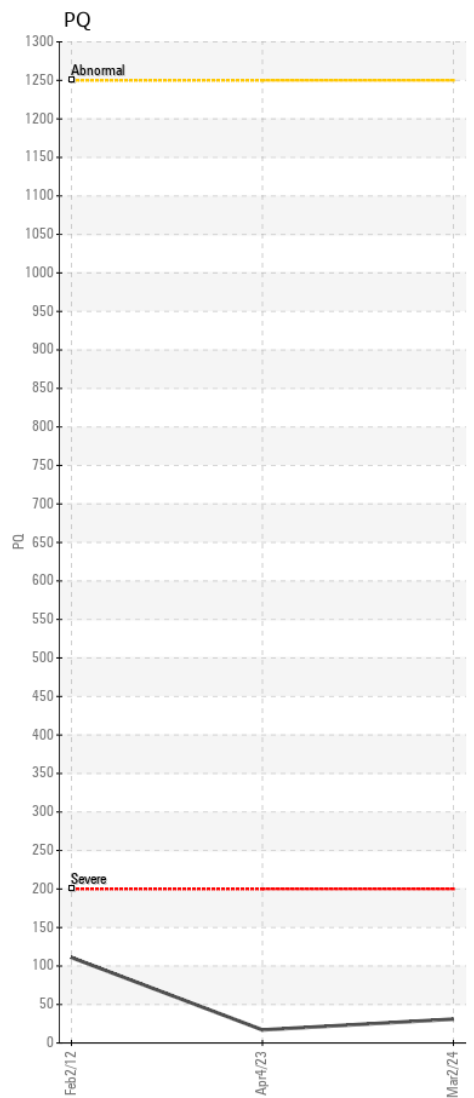
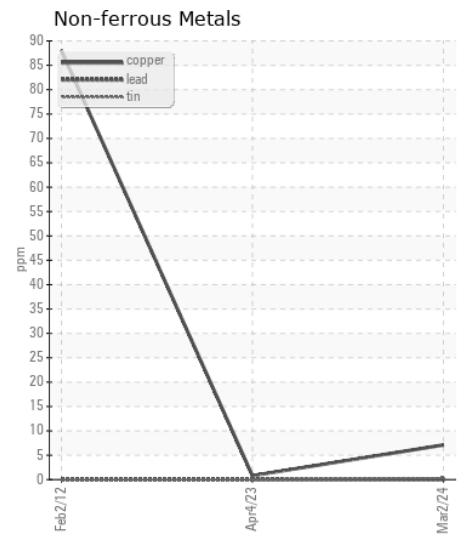
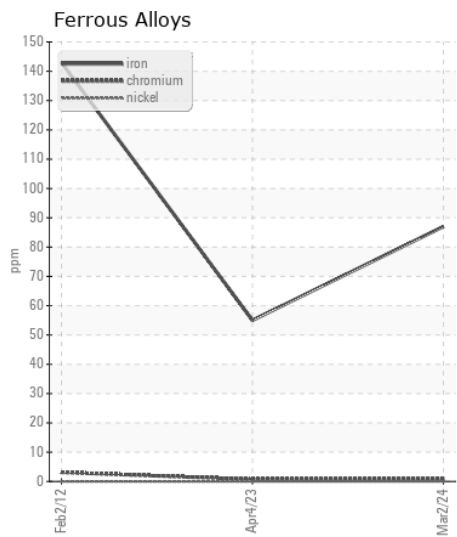
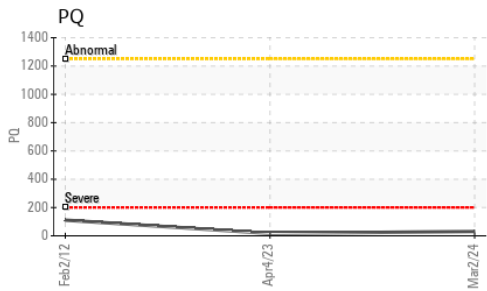
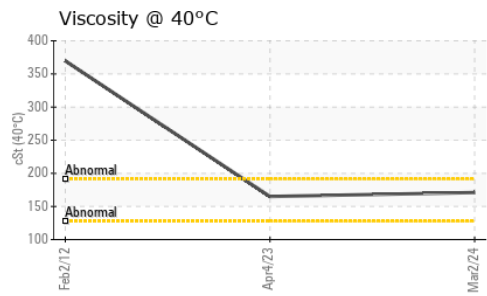
There is no indication of any contamination in the component.

Silicon	ppm	ASTM D5185m	>75	<b>2</b>	2	5
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	<1	0
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>2</b>	3	9
Boron	ppm	ASTM D5185m		<b>26</b>	19	146
Barium	ppm	ASTM D5185m		<b>0</b>	0	8
Molybdenum	ppm	ASTM D5185m		<b>1</b>	1	9
Manganese	ppm	ASTM D5185m		<b>1</b>	1	4
Magnesium	ppm	ASTM D5185m		<b>2</b>	2	2
Calcium	ppm	ASTM D5185m		<b>&lt;1</b>	11	48
Phosphorus	ppm	ASTM D5185m		<b>357</b>	332	862
Zinc	ppm	ASTM D5185m		<b>10</b>	11	35
Sulfur	ppm	ASTM D5185m		<b>19173</b>	17081	16256
Visc @ 40°C	cSt	ASTM D445		<b>171</b>	165	369.7



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0201593 **Received** : 01 Mar 2024  
**Lab Number** : 06106330 **Tested** : 04 Mar 2024  
**Unique Number** : 10909827 **Diagnosed** : 05 Mar 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - WAKEFIELD**  
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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)