



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



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

### RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0201599</b>	JR0149362	JRMC252681
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>ABNORMAL</b>	ABNORMAL	ABNORMAL

### WEAR

Bearing and/or bushing wear is indicated.

PQ		ASTM D8184	>1250	<b>118</b>	74	141
Iron	ppm	ASTM D5185m	>750	<b>321</b>	233	388
Chromium	ppm	ASTM D5185m	>9	<b>4</b>	3	5
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	<1
Aluminum	ppm	ASTM D5185m	>40	<b>2</b>	<1	2
Lead	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	2
Copper	ppm	ASTM D5185m	>40	<b>▲ 225</b>	▲ 114	▲ 419
Tin	ppm	ASTM D5185m	>10	<b>▲ 11</b>	4	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	LIGHT
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

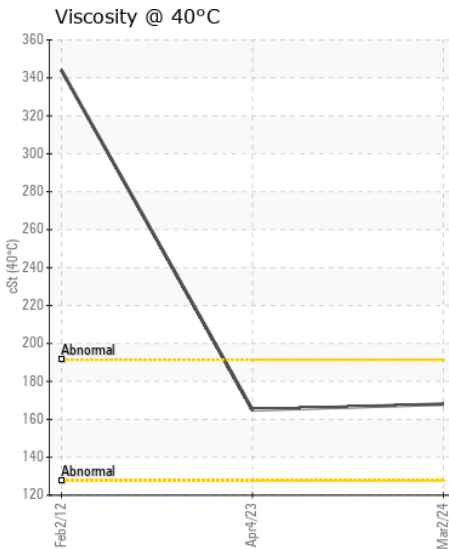
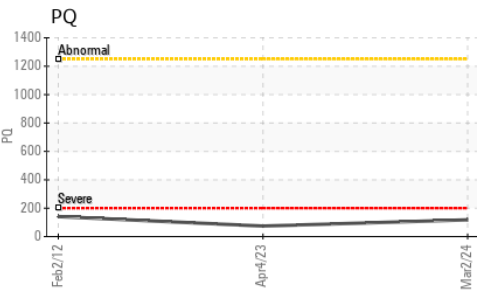
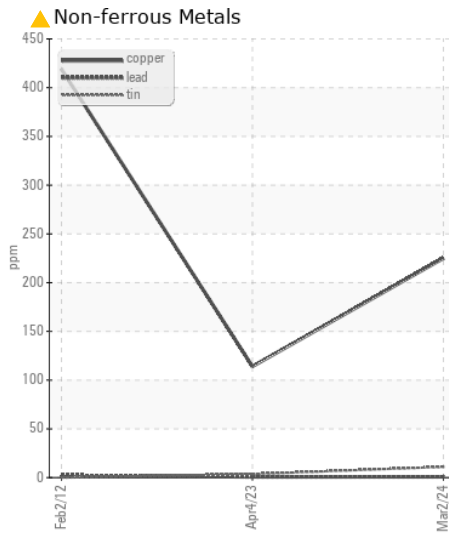
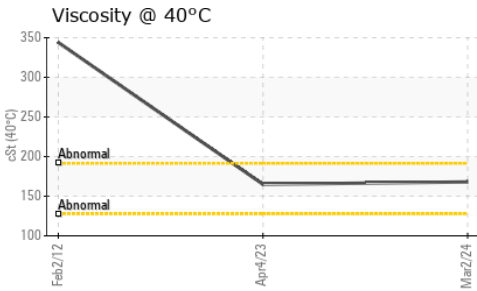
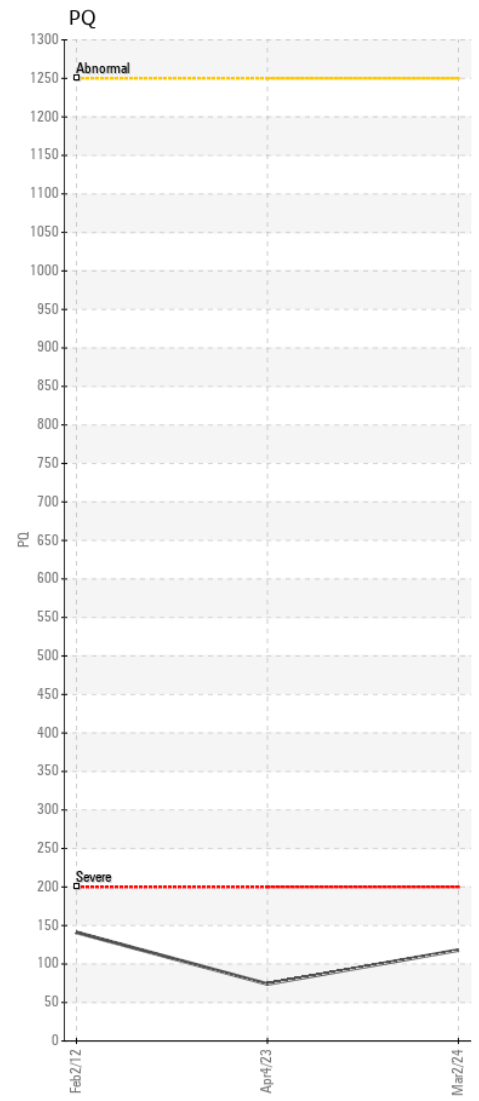
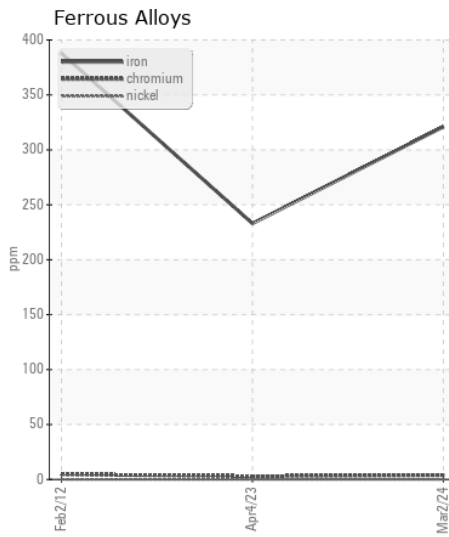
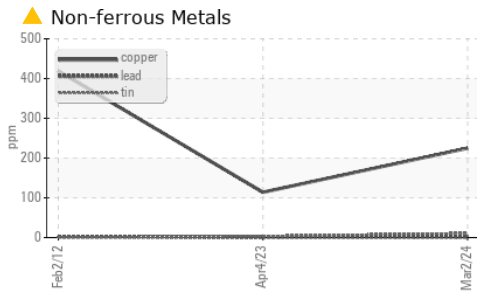
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>8</b>	7	9
Potassium	ppm	ASTM D5185m	>20	<b>5</b>	3	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	0.1%

### FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	<b>21</b>	16	16
Boron	ppm	ASTM D5185m		<b>19</b>	16	181
Barium	ppm	ASTM D5185m		<b>0</b>	0	10
Molybdenum	ppm	ASTM D5185m		<b>1</b>	1	4
Manganese	ppm	ASTM D5185m		<b>6</b>	5	6
Magnesium	ppm	ASTM D5185m		<b>4</b>	4	4
Calcium	ppm	ASTM D5185m		<b>28</b>	35	73
Phosphorus	ppm	ASTM D5185m		<b>478</b>	439	1270
Zinc	ppm	ASTM D5185m		<b>49</b>	34	112
Sulfur	ppm	ASTM D5185m		<b>18989</b>	16606	20158
Visc @ 40°C	cSt	ASTM D445		<b>168</b>	165	344.0



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0201599 **Received** : 01 Mar 2024  
**Lab Number** : 06106332 **Tested** : 04 Mar 2024  
**Unique Number** : 10909829 **Diagnosed** : 05 Mar 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - WAKEFIELD**  
 10489 GENERAL MAHONE HWY  
 WAKEFIELD, VA  
 US 23888  
 Contact: BILL ACKER  
 backer@jamesriverequipment.com  
 T: (757)899-3232  
 F: (757)899-6464

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)