



**James River  
Equipment**

OIL ANALYSIS REPORT

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



Machine Id  
**JOHN DEERE 4730 N04730X005553**  
Component  
**Front Right 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>JR0201600</b>	JR0149361	JRMC252682
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>69</b>	49	237
Iron	ppm	ASTM D5185m	>750	<b>173</b>	120	234
Chromium	ppm	ASTM D5185m	>9	<b>2</b>	2	5
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
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>	<1	3
Lead	ppm	ASTM D5185m	>15	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>40	<b>2</b>	2	3
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

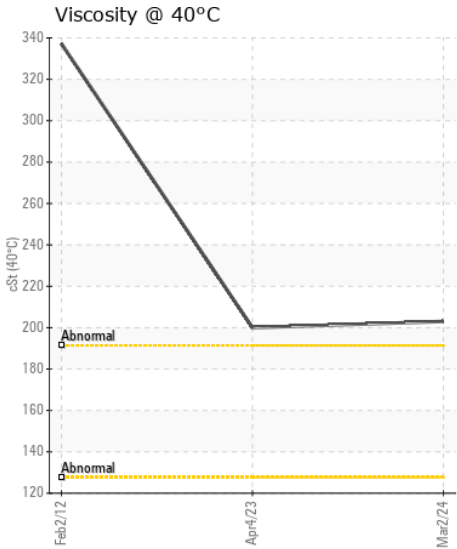
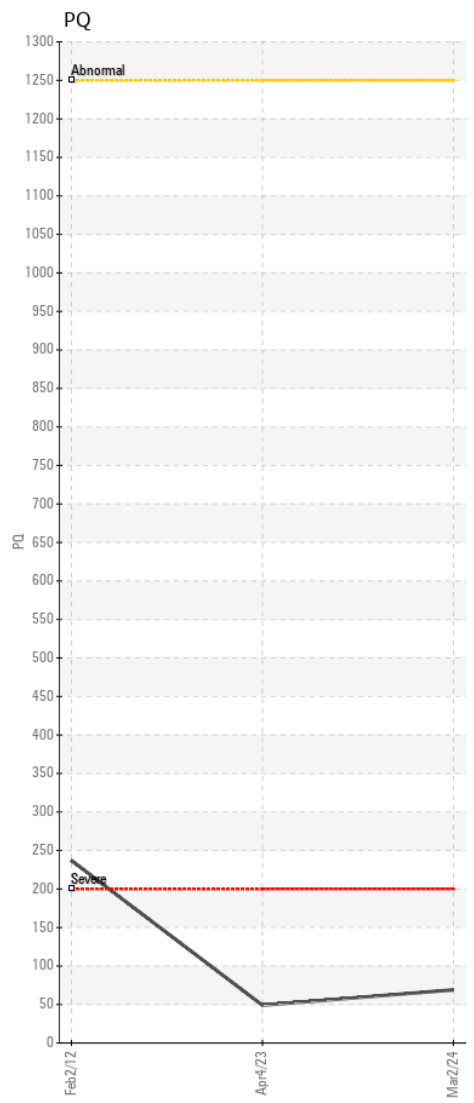
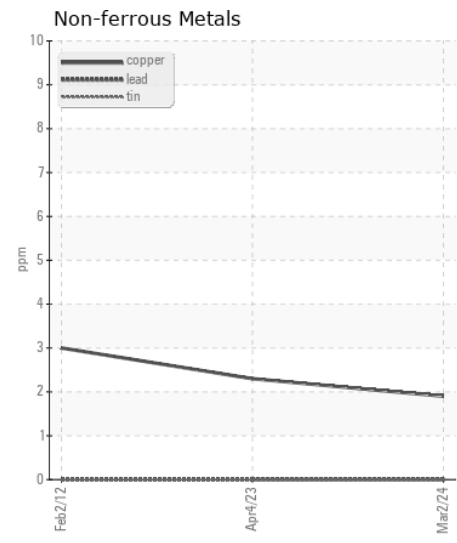
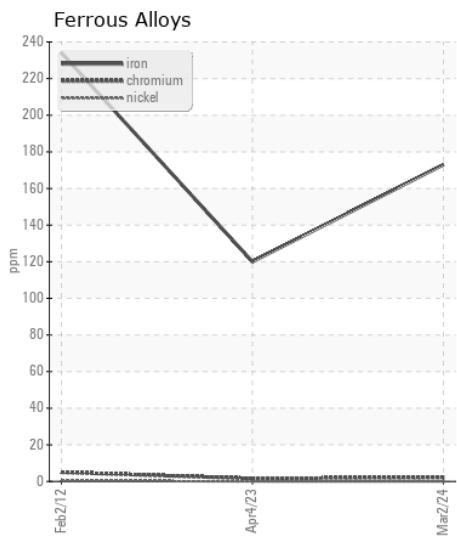
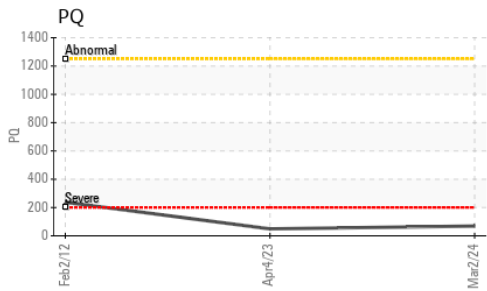
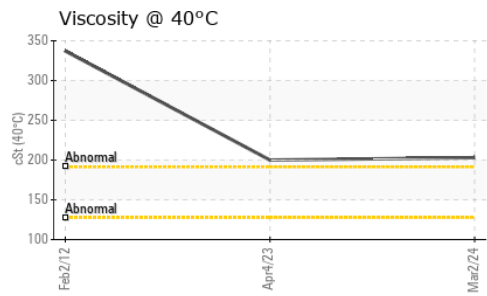
There is no indication of any contamination in the component.

Silicon	ppm	ASTM D5185m	>75	<b>4</b>	3	7
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	<1	3
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>5</b>	4	10
Boron	ppm	ASTM D5185m		<b>28</b>	25	216
Barium	ppm	ASTM D5185m		<b>0</b>	0	7
Molybdenum	ppm	ASTM D5185m		<b>2</b>	2	9
Manganese	ppm	ASTM D5185m		<b>2</b>	2	4
Magnesium	ppm	ASTM D5185m		<b>4</b>	3	2
Calcium	ppm	ASTM D5185m		<b>49</b>	16	101
Phosphorus	ppm	ASTM D5185m		<b>383</b>	365	1184
Zinc	ppm	ASTM D5185m		<b>28</b>	22	43
Sulfur	ppm	ASTM D5185m		<b>19201</b>	18356	19827
Visc @ 40°C	cSt	ASTM D445		<b>203</b>	200	337.2



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0201600 **Received** : 01 Mar 2024  
**Lab Number** : 06106329 **Tested** : 04 Mar 2024  
**Unique Number** : 10909826 **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

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)