



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

Machine Id  
**JOHN DEERE 350P 1FF350PATPF000479**  
 Component  
**Right Final Drive**  
 Fluid  
**JOHN DEERE GL-5 80W90 (9 QTS)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0220741</b>	JR0214110	JR0202528
Sample Date		Client Info		<b>21 Jun 2024</b>	29 May 2024	27 Feb 2024
Machine Age	hrs	Client Info		<b>2007</b>	1549	1028
Oil Age	hrs	Client Info		<b>2007</b>	1549	1028
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>205</b>	233	224
Iron	ppm	ASTM D5185m	>750	<b>447</b>	17	292
Chromium	ppm	ASTM D5185m	>9	<b>6</b>	<1	4
Nickel	ppm	ASTM D5185m	>10	<b>1</b>	2	<1
Titanium	ppm	ASTM D5185m		<b>2</b>	0	<1
Silver	ppm	ASTM D5185m		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m	>40	<b>3</b>	2	1
Lead	ppm	ASTM D5185m	>15	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>40	<b>3</b>	1	0
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

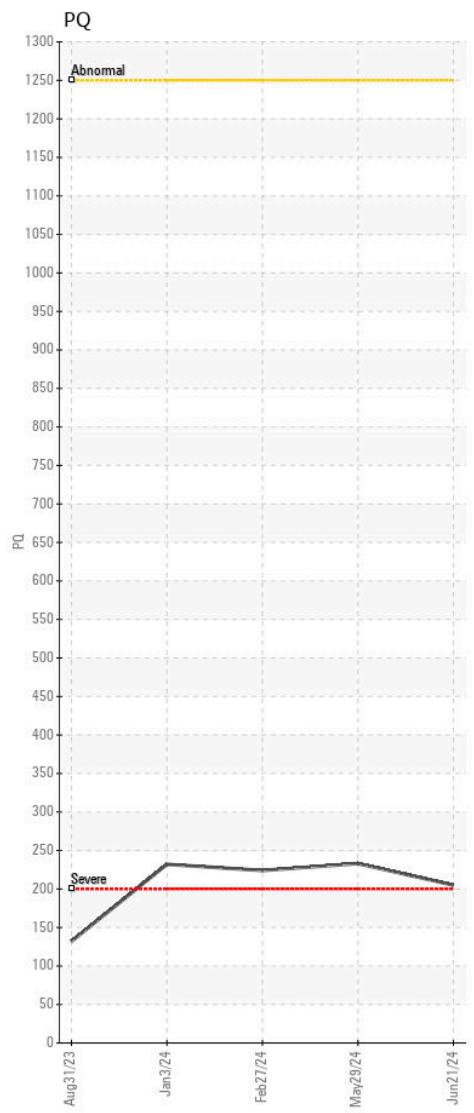
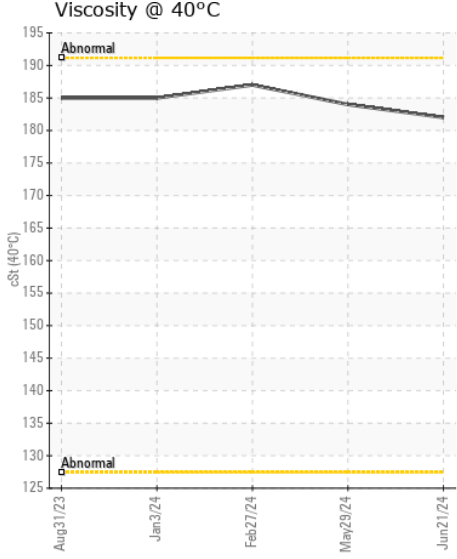
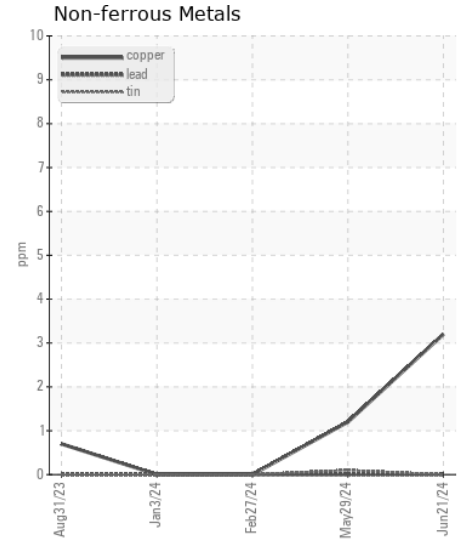
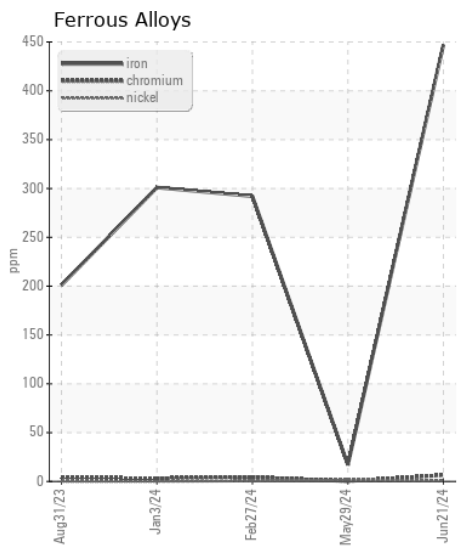
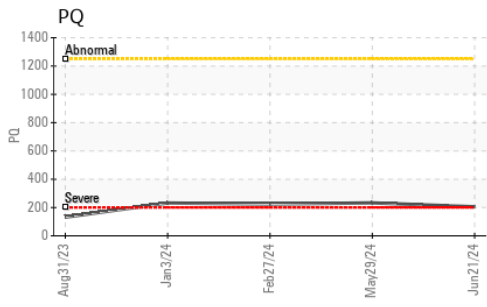
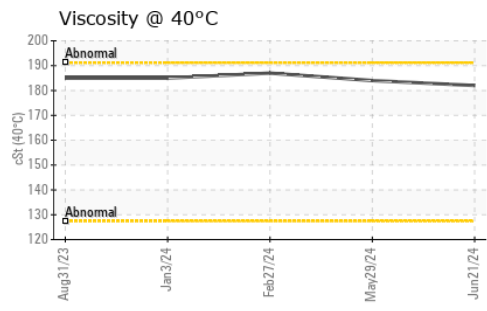
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>40</b>	<1	17
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	<1	<1
Water		WC Method	>0.075	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	MODER	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>3</b>	5	0
Boron	ppm	ASTM D5185m		<b>74</b>	26	75
Barium	ppm	ASTM D5185m		<b>3</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>4</b>	<1	0
Manganese	ppm	ASTM D5185m		<b>8</b>	<1	6
Magnesium	ppm	ASTM D5185m		<b>21</b>	4	0
Calcium	ppm	ASTM D5185m		<b>189</b>	17	8
Phosphorus	ppm	ASTM D5185m		<b>573</b>	545	535
Zinc	ppm	ASTM D5185m		<b>44</b>	29	<1
Sulfur	ppm	ASTM D5185m		<b>17567</b>	13547	15559
Visc @ 40°C	cSt	ASTM D445		<b>182</b>	184	187



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0220741 **Received** : 26 Jun 2024  
**Lab Number** : 06221476 **Tested** : 27 Jun 2024  
**Unique Number** : 11099673 **Diagnosed** : 27 Jun 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - NEW BERN**  
 3816 MARTIN LUTHER KING BLVD  
 NEW BERN, NC  
 US 28562  
 Contact: NEW BERN SHOP  
 nick.etherdridge@jamesriverequipment.com; canastasio@wearcheckusa.com  
 T:  
 F:

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)