



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

Machine Id  
**JOHN DEERE 350G 1FF350GXAKF814265**  
 Component  
**Left Final Drive**  
 Fluid  
**JOHN DEERE GL-5 80W90 (10 GAL)**

### RECOMMENDATION

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. Resample at the next service interval to monitor.

### WEAR

All component wear rates are normal.

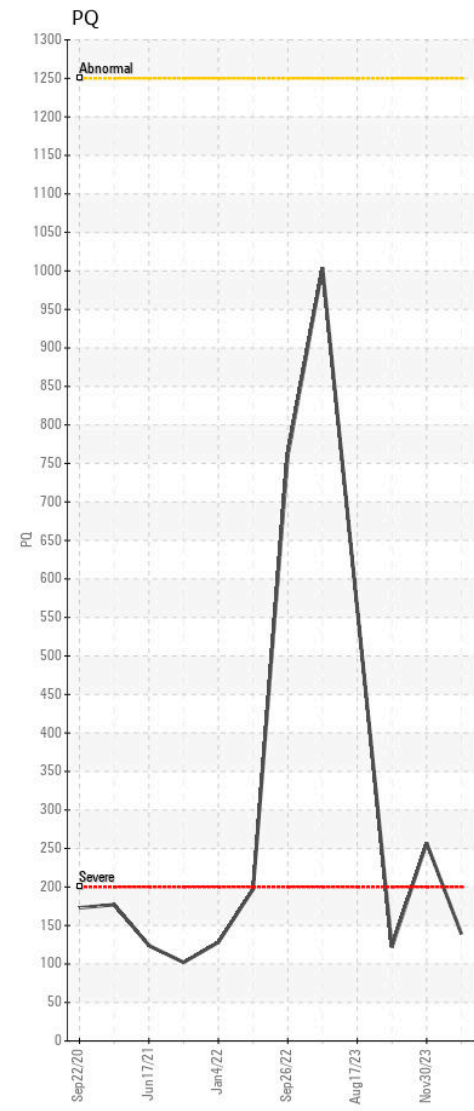
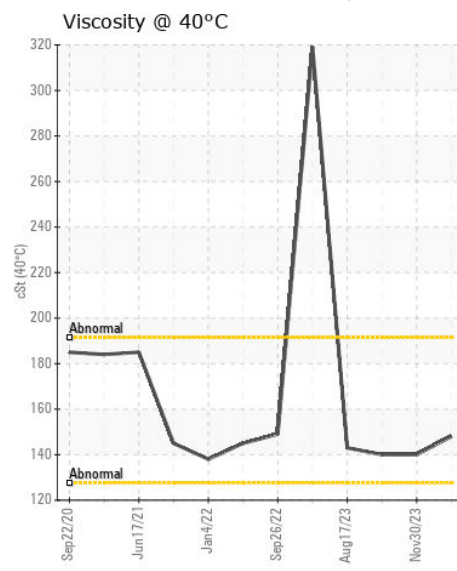
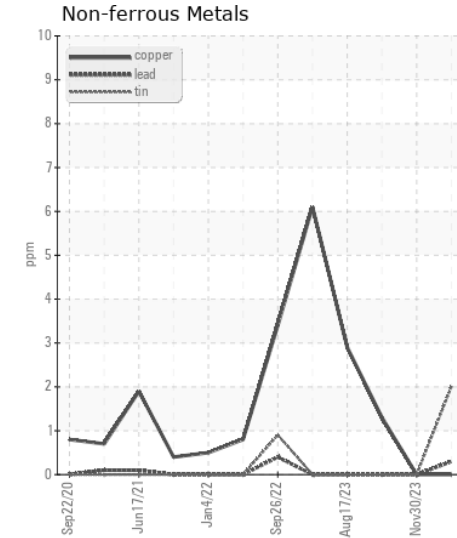
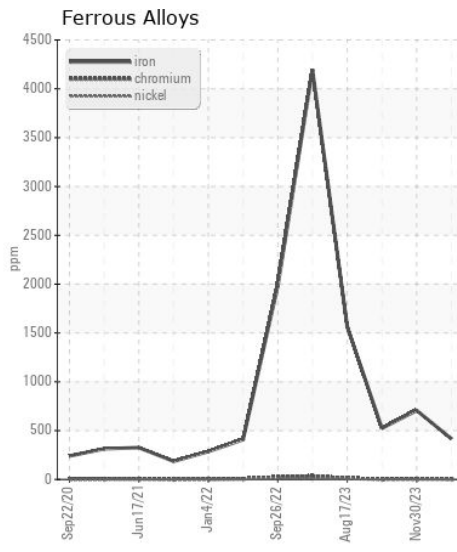
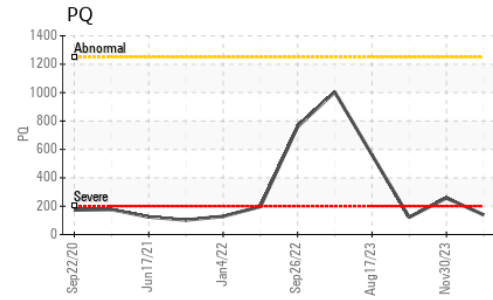
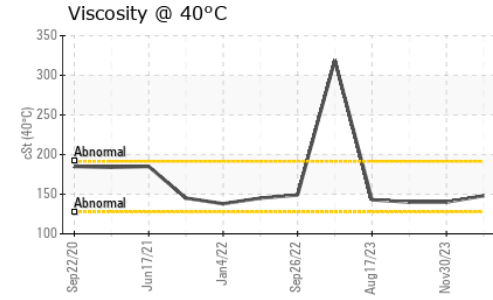
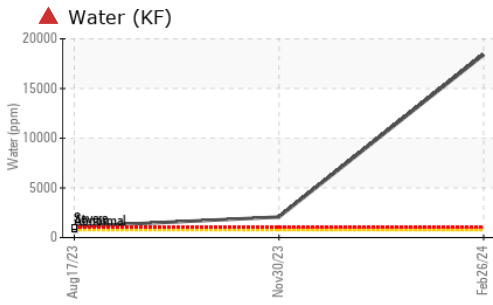
### CONTAMINATION

There is a high concentration of water present in the oil.

### FLUID CONDITION

The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0200928</b>	JR0193633	JR0189506
Sample Date		Client Info		<b>26 Feb 2024</b>	30 Nov 2023	18 Oct 2023
Machine Age	hrs	Client Info		<b>6524</b>	6125	5687
Oil Age	hrs	Client Info		<b>399</b>	2000	510
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Changed	Not Changd
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>SEVERE</b>	ABNORMAL	NORMAL
PQ		ASTM D8184	>1250	<b>139</b>	257	122
Iron	ppm	ASTM D5185m	>750	<b>416</b>	707	524
Chromium	ppm	ASTM D5185m	>9	<b>3</b>	5	4
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	2	1
Titanium	ppm	ASTM D5185m		<b>1</b>	1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>5</b>	6	4
Lead	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185m	>40	<b>0</b>	0	1
Tin	ppm	ASTM D5185m	>10	<b>2</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	<b>70</b>	▲ 92	70
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	2	<1
Water	%	ASTM D6304	>0.075	<b>▲ 1.84</b>	▲ 0.207	---
ppm Water	ppm	ASTM D6304	>750	<b>▲ 18400</b>	▲ 2070	---
Silt	scalar	*Visual	NONE	<b>MODER</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>▲ 0.2%</b>	▲ 0.2%	NEG
Sodium	ppm	ASTM D5185m	>51	<b>8</b>	0	2
Boron	ppm	ASTM D5185m		<b>32</b>	<1	0
Barium	ppm	ASTM D5185m		<b>5</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	0
Manganese	ppm	ASTM D5185m		<b>4</b>	6	5
Magnesium	ppm	ASTM D5185m		<b>4</b>	4	0
Calcium	ppm	ASTM D5185m		<b>144</b>	84	44
Phosphorus	ppm	ASTM D5185m		<b>1917</b>	417	331
Zinc	ppm	ASTM D5185m		<b>9</b>	2	0
Sulfur	ppm	ASTM D5185m		<b>27734</b>	20355	19300
Visc @ 40°C	cSt	ASTM D445		<b>148</b>	140	140



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0200928 **Received** : 28 Feb 2024  
**Lab Number** : 06103242 **Tested** : 01 Mar 2024  
**Unique Number** : 10901472 **Diagnosed** : 01 Mar 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: KF, 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)