



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

Machine Id  
**JOHN DEERE 350G 1FF350GXKMF815106**

Component  
**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>JR0211106</b>	JR0181780	JR0168826
Sample Date		Client Info		<b>12 Apr 2024</b>	17 Jul 2023	01 May 2023
Machine Age	hrs	Client Info		<b>4021</b>	3699	3459
Oil Age	hrs	Client Info		<b>0</b>	0	1500
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>	Not Changd	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>152</b>	129	143
Iron	ppm	ASTM D5185m	>750	<b>460</b>	426	383
Chromium	ppm	ASTM D5185m	>9	<b>5</b>	4	4
Nickel	ppm	ASTM D5185m	>10	<b>1</b>	2	1
Titanium	ppm	ASTM D5185m		<b>1</b>	2	1
Silver	ppm	ASTM D5185m		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m	>40	<b>19</b>	20	19
Lead	ppm	ASTM D5185m	>15	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>40	<b>&lt;1</b>	1	<1
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

There is no indication of any contamination in the oil.

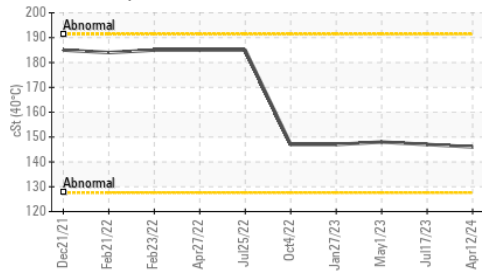
Silicon	ppm	ASTM D5185m	>75	<b>71</b>	69	66
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	4	2
Water		WC Method	>0.075	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>LIGHT</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	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

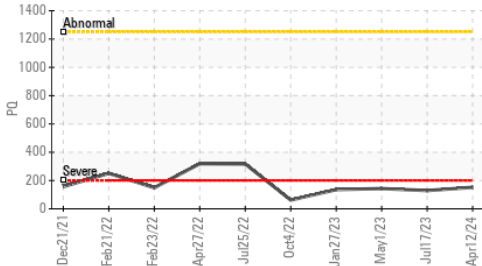
The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	<b>3</b>	0	2
Boron	ppm	ASTM D5185m		<b>8</b>	8	8
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	2	0
Molybdenum	ppm	ASTM D5185m		<b>2</b>	3	3
Manganese	ppm	ASTM D5185m		<b>5</b>	5	5
Magnesium	ppm	ASTM D5185m		<b>9</b>	14	12
Calcium	ppm	ASTM D5185m		<b>70</b>	66	42
Phosphorus	ppm	ASTM D5185m		<b>303</b>	335	348
Zinc	ppm	ASTM D5185m		<b>36</b>	36	30
Sulfur	ppm	ASTM D5185m		<b>17794</b>	20774	19911
Visc @ 40°C	cSt	ASTM D445		<b>146</b>	147	148

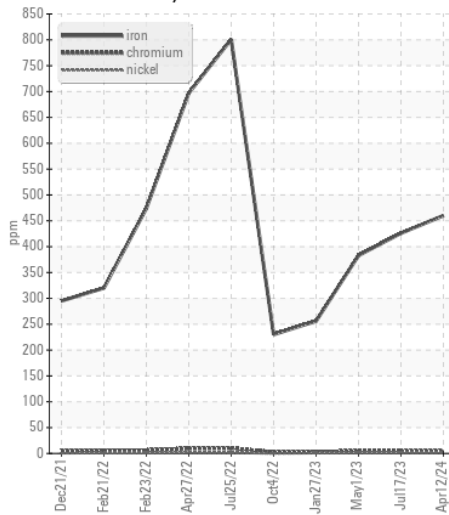
Viscosity @ 40°C



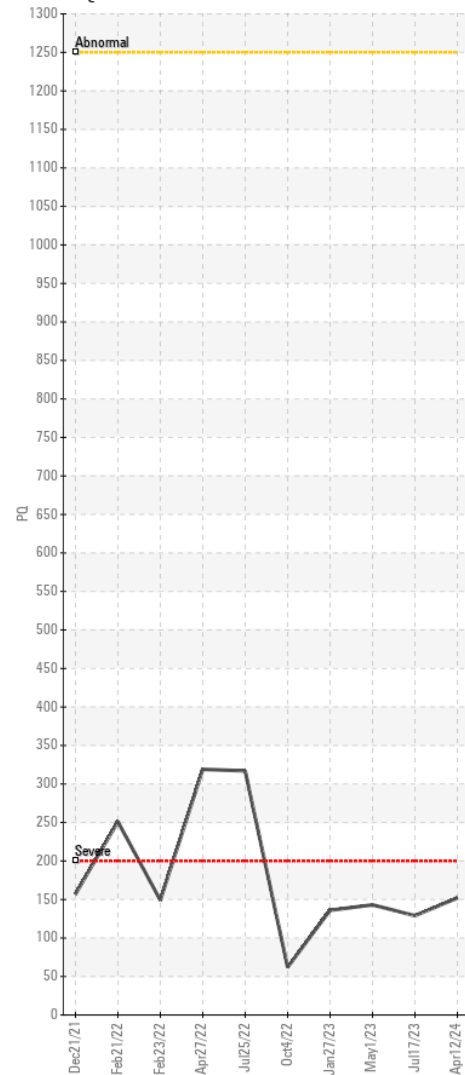
PQ



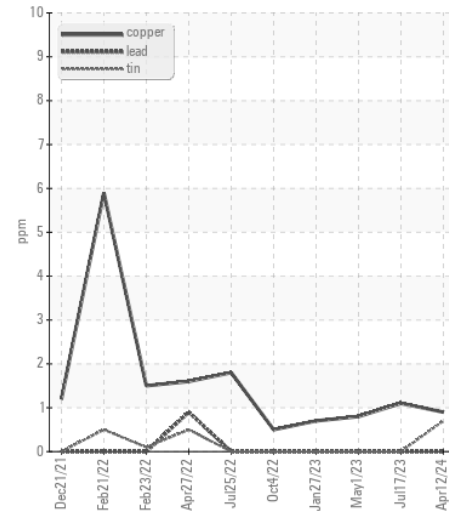
Ferrous Alloys



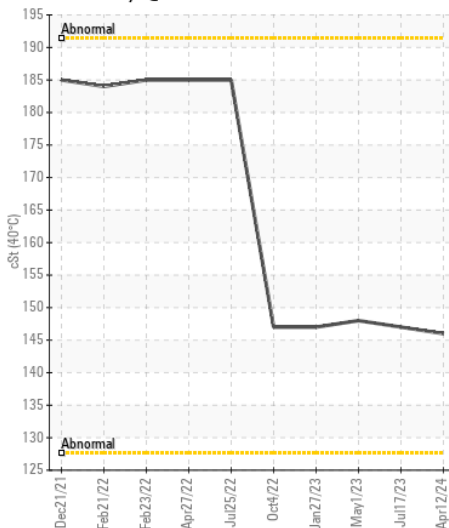
PQ



Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
 Sample No. : JR0211106  
 Lab Number : 06149661  
 Unique Number : 10979739  
 Test Package : CONST ( Additional Tests: PQ )  
 Received : 15 Apr 2024  
 Tested : 16 Apr 2024  
 Diagnosed : 18 Apr 2024 - Jonathan Hester

**B & S SITE DEVELOPMENT**  
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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)