



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

Area  
**[W68412]**

Machine Id  
**A30G753396**

Component  
**Front Differential**

Fluid  
**JOHN DEERE GL-5 80W90 (5)**

### RECOMMENDATION

No corrective action is recommended at this time. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. ( Customer Sample Comment: W68412 )

### WEAR

All component wear rates are normal.

### CONTAMINATION

Moderate concentration of visible dirt/debris present in the oil.

### FLUID CONDITION

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

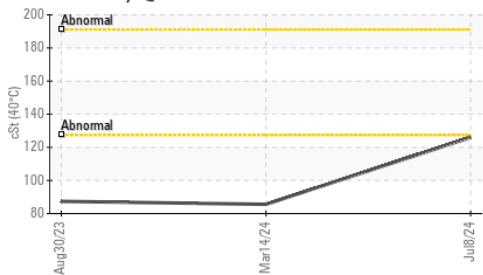
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0220381</b>	JR0205597	JR0178418
Sample Date		Client Info		<b>08 Jul 2024</b>	14 Mar 2024	30 Aug 2023
Machine Age	hrs	Client Info		<b>1894</b>	1368	565
Oil Age	hrs	Client Info		<b>526</b>	1368	565
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Not Changd
Filter Changed		Client Info		<b>N/A</b>	Changed	N/A
Sample Status				<b>ABNORMAL</b>	NORMAL	NORMAL

PQ		ASTM D8184		<b>84</b>	289	199
Iron	ppm	ASTM D5185m	>500	<b>98</b>	317	265
Chromium	ppm	ASTM D5185m	>10	<b>1</b>	6	6
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	3	3
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>&lt;1</b>	2	<1
Lead	ppm	ASTM D5185m	>25	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185m	>100	<b>6</b>	21	15
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	1
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

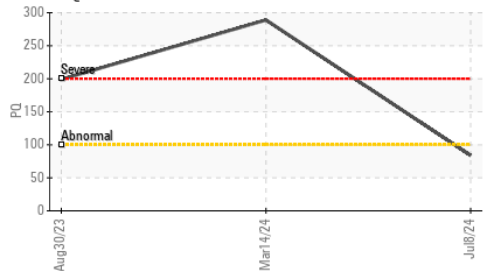
Silicon	ppm	ASTM D5185m	>75	<b>2</b>	5	6
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	6	4
Water		WC Method	>.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>▲ MODER</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>.2	<b>NEG</b>	NEG	NEG

Sodium	ppm	ASTM D5185m		<b>2</b>	0	2
Boron	ppm	ASTM D5185m		<b>47</b>	243	317
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	4	1
Molybdenum	ppm	ASTM D5185m		<b>2</b>	9	10
Manganese	ppm	ASTM D5185m		<b>3</b>	12	13
Magnesium	ppm	ASTM D5185m		<b>2</b>	4	6
Calcium	ppm	ASTM D5185m		<b>192</b>	865	922
Phosphorus	ppm	ASTM D5185m		<b>514</b>	1328	1380
Zinc	ppm	ASTM D5185m		<b>78</b>	379	387
Sulfur	ppm	ASTM D5185m		<b>19727</b>	21484	23811
Visc @ 40°C	cSt	ASTM D445		<b>126</b>	85.6	87.4

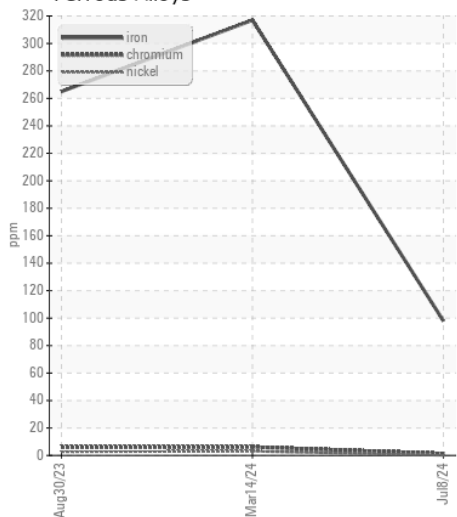
Viscosity @ 40°C



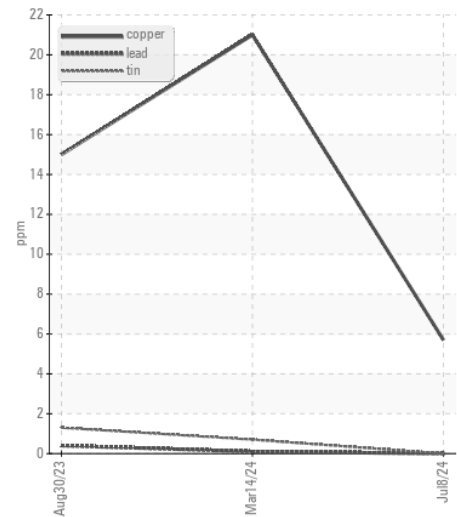
PQ



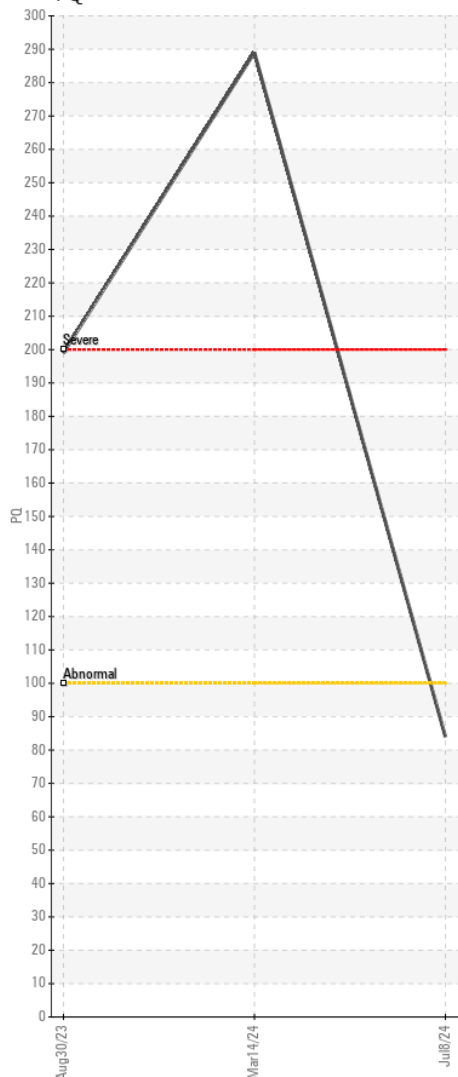
Ferrous Alloys



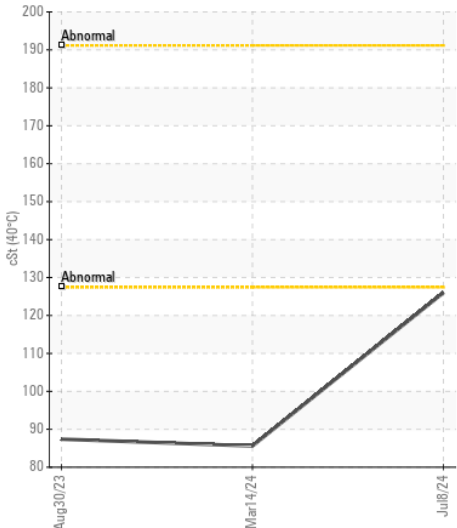
Non-ferrous Metals



PQ



Viscosity @ 40°C



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0220381 **Received** : 10 Jul 2024  
**Lab Number** : 06232461 **Tested** : 11 Jul 2024  
**Unique Number** : 11115954 **Diagnosed** : 11 Jul 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

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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)