



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

Area  
**[44640]**  
 Machine Id  
**JOHN DEERE 325G 1T0325GKCMJ390362**  
 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>JR0203357</b>	JR0176410	JR0157468
Sample Date		Client Info		<b>13 Feb 2024</b>	06 Jul 2023	11 Jan 2023
Machine Age	hrs	Client Info		<b>2437</b>	1930	1437
Oil Age	hrs	Client Info		<b>507</b>	1449	481
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>	None	None
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>34</b>	35	55
Iron	ppm	ASTM D5185m	>750	<b>642</b>	1041	564
Chromium	ppm	ASTM D5185m	>9	<b>8</b>	12	7
Nickel	ppm	ASTM D5185m	>10	<b>3</b>	7	4
Titanium	ppm	ASTM D5185m		<b>1</b>	1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m	>40	<b>8</b>	15	6
Lead	ppm	ASTM D5185m	>15	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m	>40	<b>1</b>	2	1
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

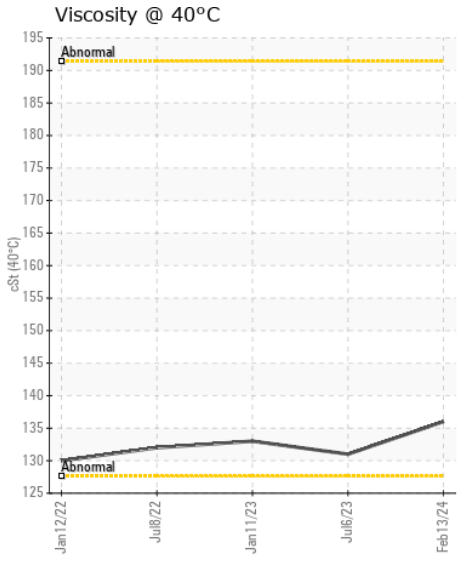
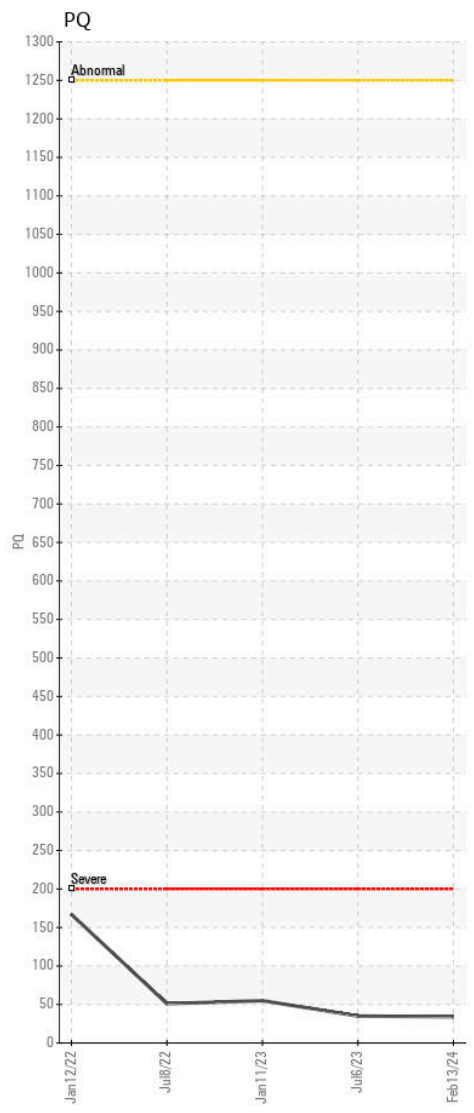
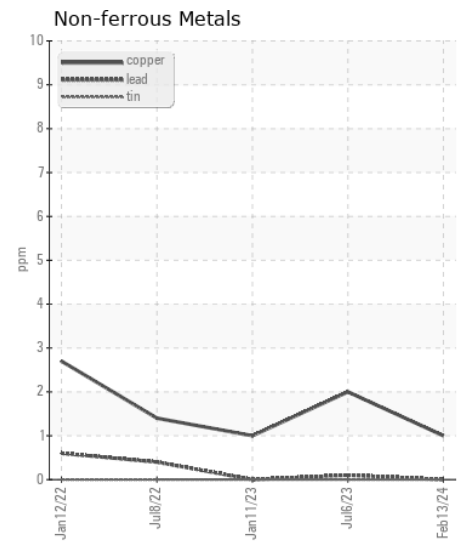
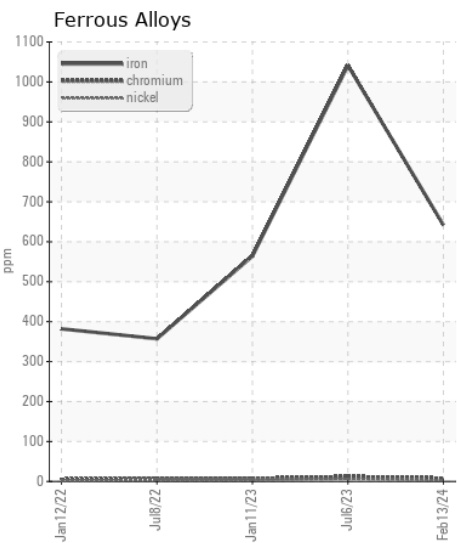
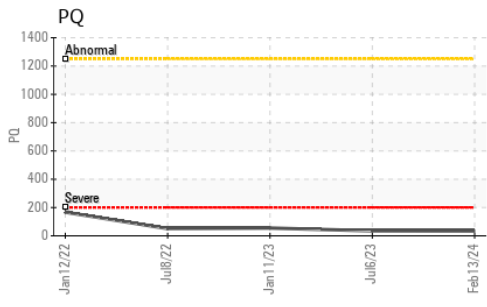
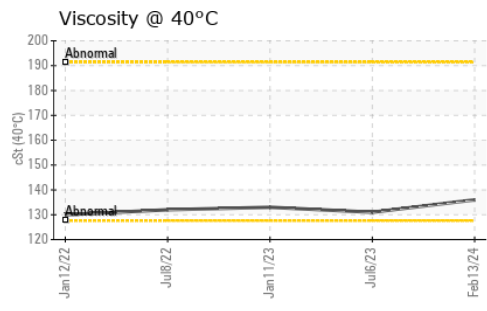
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>41</b>	66	23
Potassium	ppm	ASTM D5185m	>20	<b>9</b>	15	9
Water		WC Method	>0.075	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	LIGHT
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>0</b>	0	2
Boron	ppm	ASTM D5185m		<b>7</b>	13	12
Barium	ppm	ASTM D5185m		<b>16</b>	11	3
Molybdenum	ppm	ASTM D5185m		<b>1</b>	4	3
Manganese	ppm	ASTM D5185m		<b>5</b>	8	5
Magnesium	ppm	ASTM D5185m		<b>5</b>	9	9
Calcium	ppm	ASTM D5185m		<b>26</b>	33	31
Phosphorus	ppm	ASTM D5185m		<b>342</b>	303	351
Zinc	ppm	ASTM D5185m		<b>30</b>	48	51
Sulfur	ppm	ASTM D5185m		<b>19732</b>	19397	20294
Visc @ 40°C	cSt	ASTM D445		<b>136</b>	131	133



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0203357 **Received** : 14 Feb 2024  
**Lab Number** : 06089691 **Tested** : 16 Feb 2024  
**Unique Number** : 10877136 **Diagnosed** : 16 Feb 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

**B & S SITE DEVLOPMENT**  
 7800 PINEY BRANCH LANE  
 BRISTOW, VA  
 US 20136  
 Contact: DANNY HUFF  
 dhuff@bandssite.com  
 T: (540)270-3203  
 F: (703)753-0605

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)