



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

Machine Id  
**JOHN DEERE 300GLC PM071598 (S/N 1FF300GXLNF732203)**

Component  
**Left Final Drive**

Fluid  
**JOHN DEERE GL-5 80W90 (3 GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0192759</b>	JR0188863	JR0162363
Sample Date		Client Info		<b>20 Feb 2024</b>	13 Oct 2023	24 May 2023
Machine Age	hrs	Client Info		<b>1450</b>	500	500
Oil Age	hrs	Client Info		<b>1450</b>	500	500
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>N/A</b>	Not Changd	N/A
Sample Status				<b>NORMAL</b>	NORMAL	ABNORMAL

### WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>231</b>	45	280
Iron	ppm	ASTM D5185m	>500	<b>172</b>	72	189
Chromium	ppm	ASTM D5185m	>10	<b>4</b>	1	4
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>1</b>	2	<1
Lead	ppm	ASTM D5185m	>25	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>50	<b>&lt;1</b>	<1	0
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

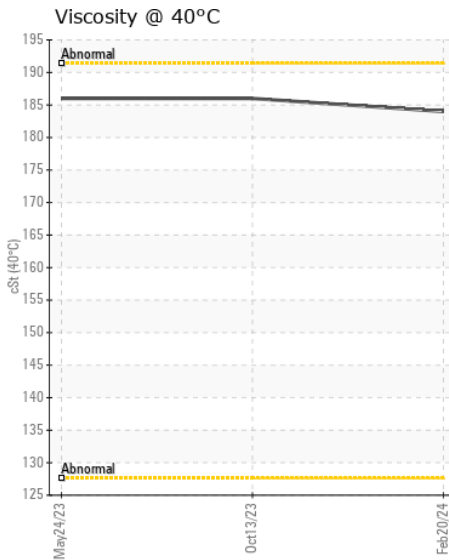
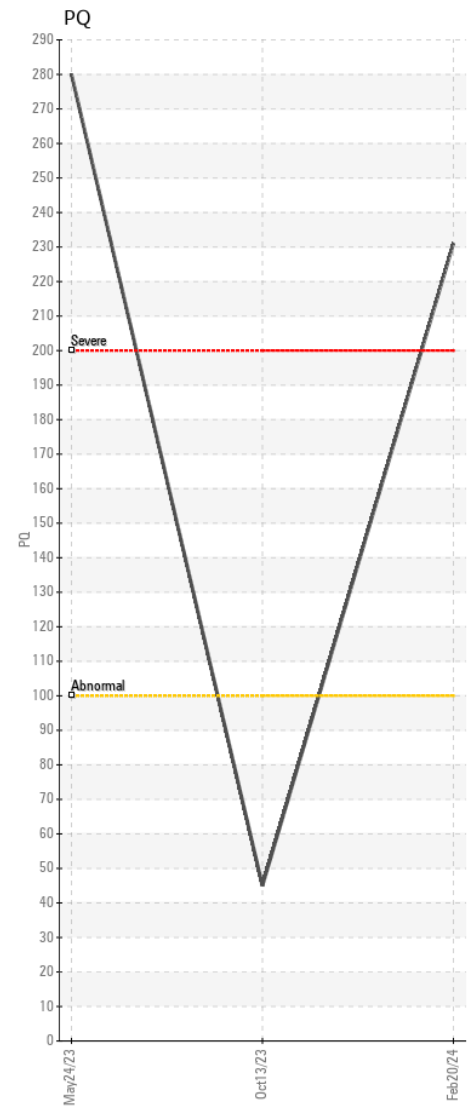
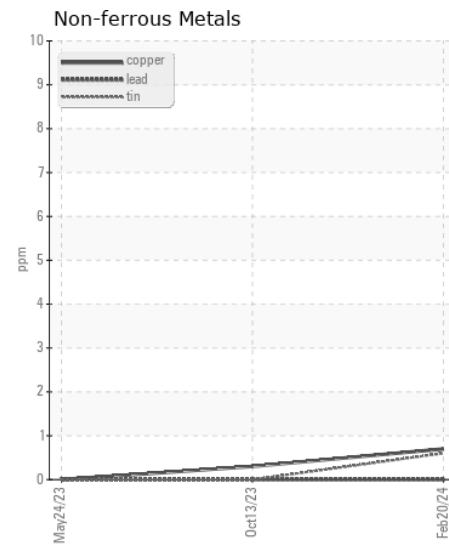
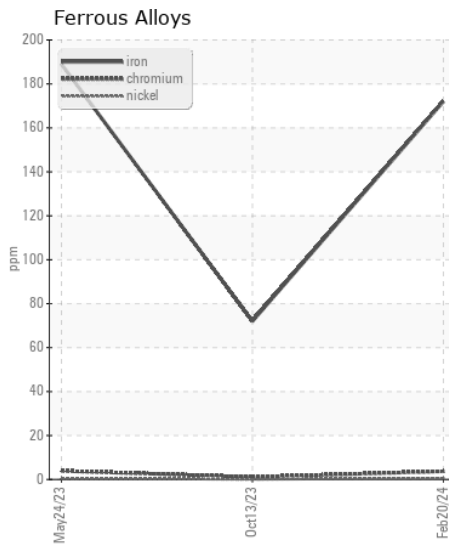
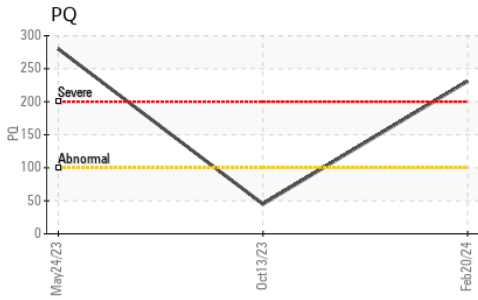
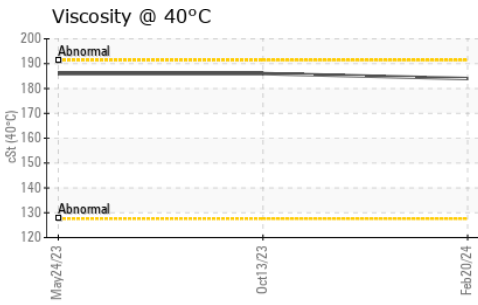
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>8</b>	14	9
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	2	4
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	▲ MODER
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	>0.2	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>1</b>	0	2
Boron	ppm	ASTM D5185m		<b>58</b>	84	80
Barium	ppm	ASTM D5185m		<b>0</b>	3	4
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	<1
Manganese	ppm	ASTM D5185m		<b>4</b>	2	4
Magnesium	ppm	ASTM D5185m		<b>0</b>	1	0
Calcium	ppm	ASTM D5185m		<b>91</b>	21	25
Phosphorus	ppm	ASTM D5185m		<b>495</b>	526	538
Zinc	ppm	ASTM D5185m		<b>28</b>	4	12
Sulfur	ppm	ASTM D5185m		<b>14241</b>	16963	18063
Visc @ 40°C	cSt	ASTM D445		<b>184</b>	186	186



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0192759 **Received** : 22 Feb 2024  
**Lab Number** : 06097268 **Tested** : 23 Feb 2024  
**Unique Number** : 10890121 **Diagnosed** : 23 Feb 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

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)

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