



WEAR  
CONTAMINATION  
FLUID CONDITION

**ATTENTION**

**ABNORMAL**

**NORMAL**

Machine Id  
**JOHN DEERE 300G C215652 (S/N 1FF300GXAJF730900)**

Component  
**Left Final Drive**

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

### RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0221798</b>	JR0170306	JR0131069
Sample Date		Client Info		<b>01 Jul 2024</b>	11 Aug 2023	20 Jun 2022
Machine Age	hrs	Client Info		<b>2655</b>	2353	2035
Oil Age	hrs	Client Info		<b>2035</b>	0	0
Filter Age	hrs	Client Info		<b>2035</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>ABNORMAL</b>	ABNORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>103</b>	158	246
Iron	ppm	ASTM D5185m	>750	<b>229</b>	273	313
Chromium	ppm	ASTM D5185m	>9	<b>3</b>	4	4
Nickel	ppm	ASTM D5185m	>10	<b>2</b>	1	<1
Titanium	ppm	ASTM D5185m		<b>2</b>	3	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>47</b>	41	8
Lead	ppm	ASTM D5185m	>15	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m	>40	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

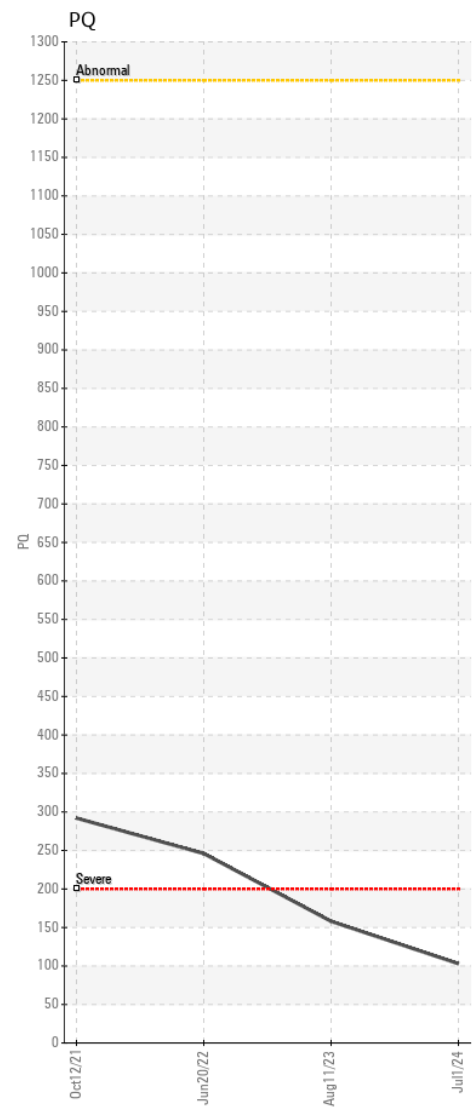
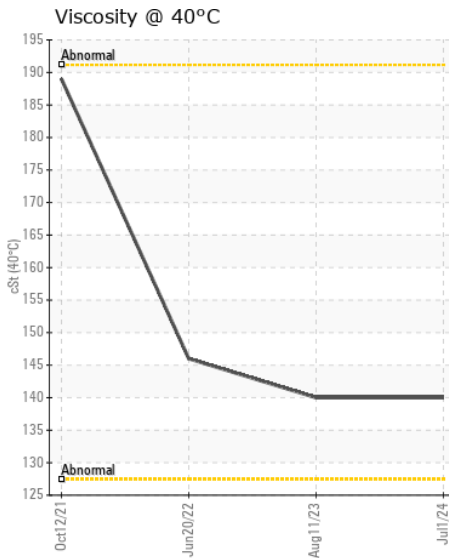
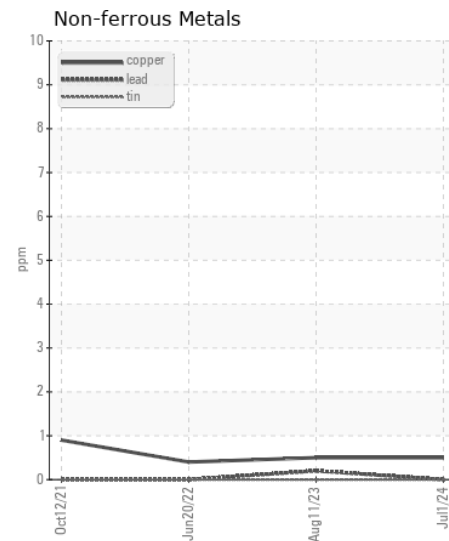
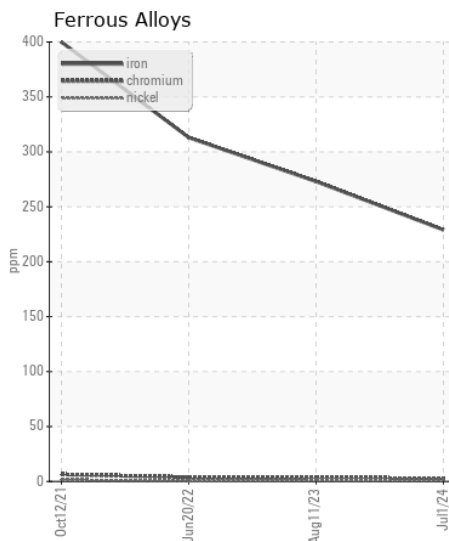
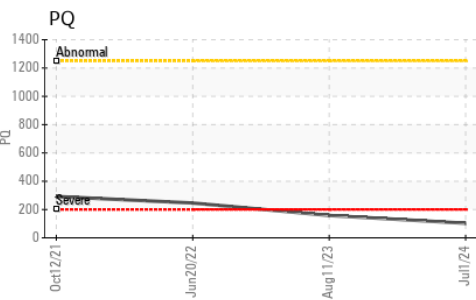
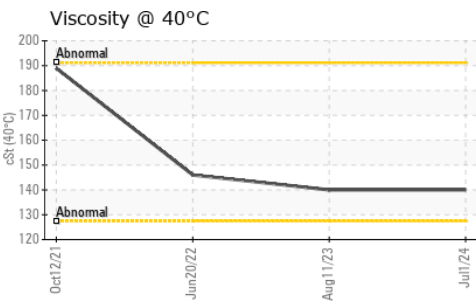
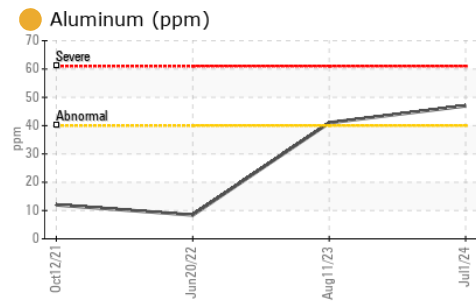
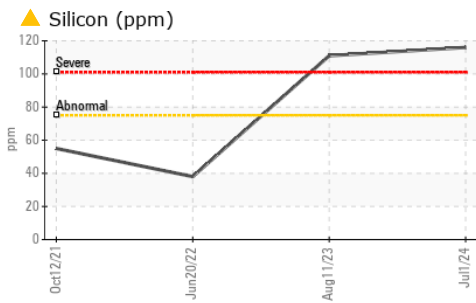
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	<b>▲ 116</b>	▲ 111	38
Potassium	ppm	ASTM D5185m	>20	<b>17</b>	14	3
Water		WC Method	>0.075	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</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>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	<b>4</b>	4	0
Boron	ppm	ASTM D5185m		<b>8</b>	7	19
Barium	ppm	ASTM D5185m		<b>1</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>8</b>	5	<1
Manganese	ppm	ASTM D5185m		<b>3</b>	4	3
Magnesium	ppm	ASTM D5185m		<b>32</b>	18	5
Calcium	ppm	ASTM D5185m		<b>45</b>	36	11
Phosphorus	ppm	ASTM D5185m		<b>359</b>	331	340
Zinc	ppm	ASTM D5185m		<b>29</b>	15	10
Sulfur	ppm	ASTM D5185m		<b>21769</b>	22163	16712
Visc @ 40°C	cSt	ASTM D445		<b>140</b>	140	146



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : JR0221798

Lab Number : 06228933

Unique Number : 11112426

Test Package : CONST ( Additional Tests: PQ )

Received : 05 Jul 2024

Tested : 08 Jul 2024

Diagnosed : 08 Jul 2024 - Don Baldrige

JRE - STEPHENSON

245 YARDMASTER COURT

STEPHENSON, VA

US 22656-1761

Contact: PHIL DAUGHERTY

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T: x:

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)

F: (540)693-2588