



OIL ANALYSIS REPORT

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

Area  
**[W8542]**  
Machine Id  
**JOHN DEERE 470G 1FF470GXEMF236612**  
Component  
**Left Swing Drive Gear Case**  
Fluid  
**JOHN DEERE GL-5 80W90 (7 QTS)**

**RECOMMENDATION**

Resample at the next service interval to monitor. ( Customer Sample Comment: W8542 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0197007</b>	JR0118444	JR0096827
Sample Date		Client Info		<b>22 Feb 2024</b>	19 Feb 2022	21 Sep 2021
Machine Age	hrs	Client Info		<b>3260</b>	0	0
Oil Age	hrs	Client Info		<b>457</b>	500	500
Filter Age	hrs	Client Info		<b>0</b>	500	500
Oil Changed		Client Info		<b>Not Changd</b>	Changed	Changed
Filter Changed		Client Info		<b>None</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

PQ		ASTM D8184		<b>22</b>	36	15
Iron	ppm	ASTM D5185m	>200	<b>35</b>	66	2
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	0
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m		<b>&lt;1</b>	1	5
Lead	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Copper	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

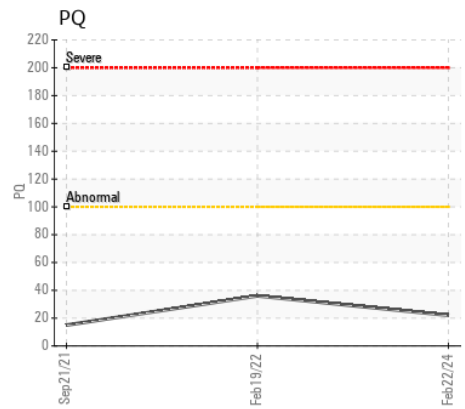
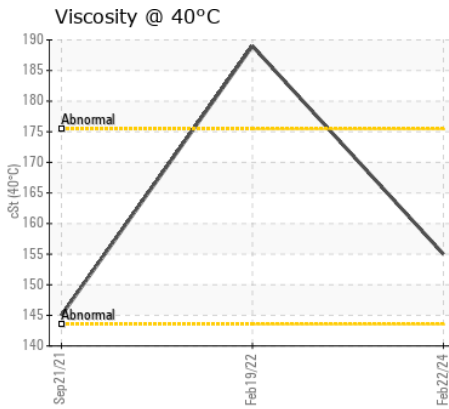
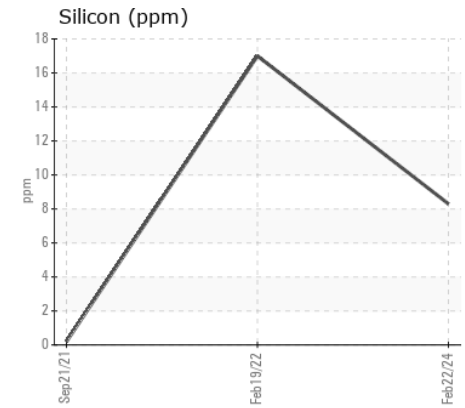
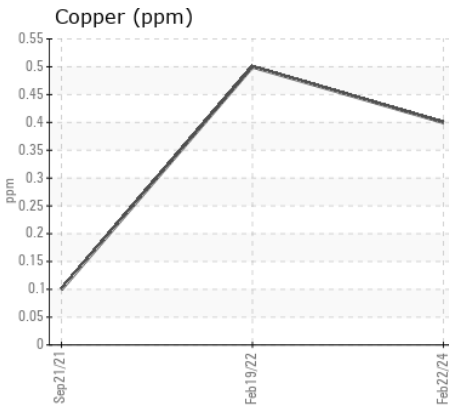
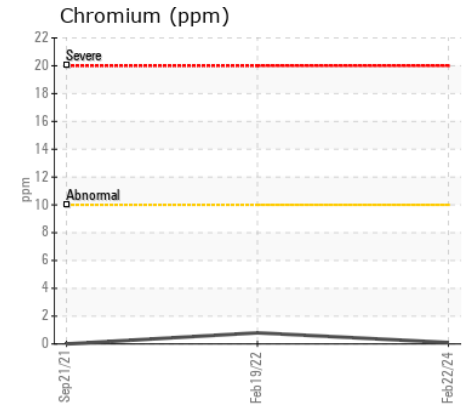
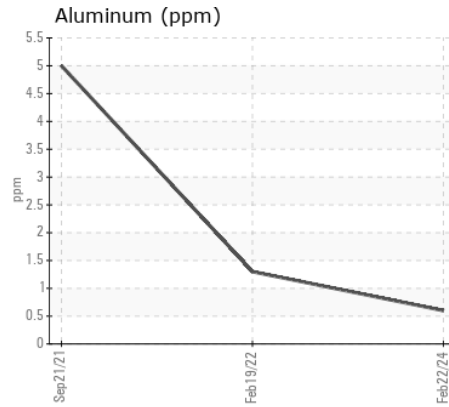
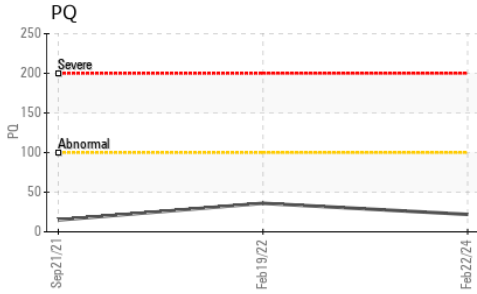
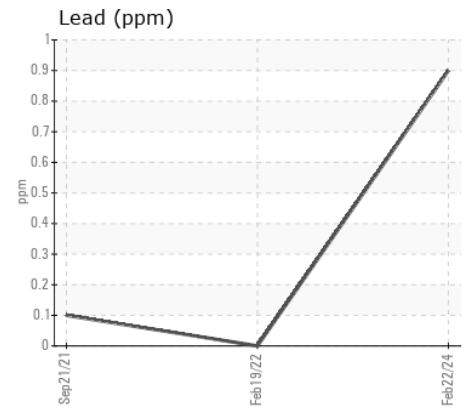
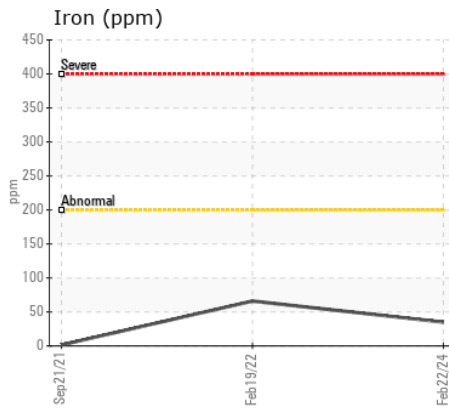
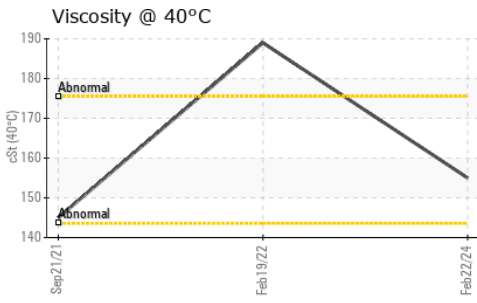
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		<b>8</b>	17	<1
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	0	0
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	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	>0.2	<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>	1	0
Boron	ppm	ASTM D5185m		<b>53</b>	83	5
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	1	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>1</b>	2	0
Magnesium	ppm	ASTM D5185m		<b>32</b>	<1	0
Calcium	ppm	ASTM D5185m		<b>28</b>	33	62
Phosphorus	ppm	ASTM D5185m		<b>561</b>	516	380
Zinc	ppm	ASTM D5185m		<b>2</b>	10	6
Sulfur	ppm	ASTM D5185m		<b>18667</b>	13157	15526
Visc @ 40°C	cSt	ASTM D445		<b>155</b>	189	145



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0197007 **Received** : 26 Feb 2024  
**Lab Number** : 06100342 **Tested** : 27 Feb 2024  
**Unique Number** : 10898572 **Diagnosed** : 28 Feb 2024 - Don Baldrige  
**Test Package** : MOBCE ( Additional Tests: PQ )

**JRE - GREENSBORO**  
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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)