



OIL ANALYSIS REPORT

WEAR  
CONTAMINATION  
FLUID CONDITION

ATTENTION  
SEVERE  
NORMAL

Area  
**[W8542]**  
Machine Id  
**JOHN DEERE 470G 1FF470GXEMF236612**  
Component  
**Left Final Drive**  
Fluid  
**JOHN DEERE GL-5 80W90 (3 GAL)**

**RECOMMENDATION**

( Customer Sample Comment: W8542 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0197001</b>	JR0118492	JR0108776
Sample Date		Client Info		<b>22 Feb 2024</b>	19 Feb 2022	14 Nov 2021
Machine Age	hrs	Client Info		<b>3260</b>	0	1103
Oil Age	hrs	Client Info		<b>2157</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>SEVERE</b>	NORMAL	NORMAL

**WEAR**

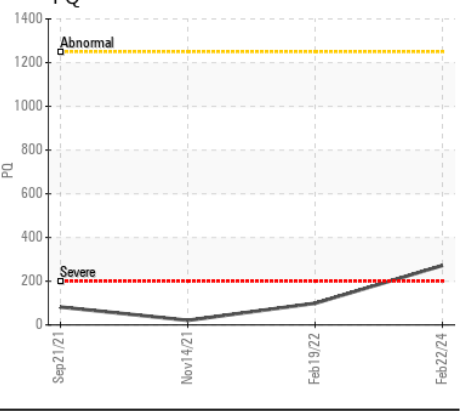
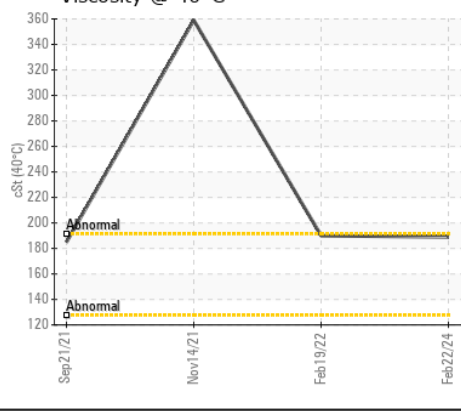
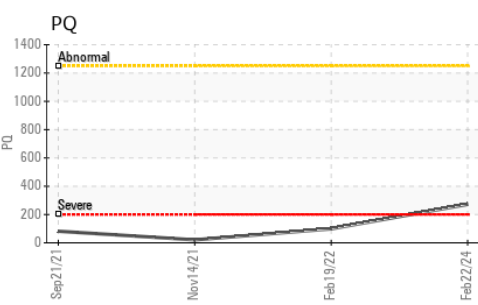
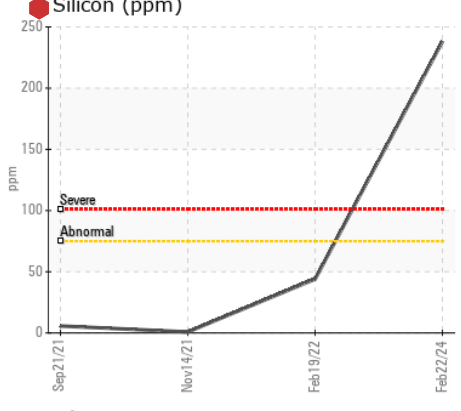
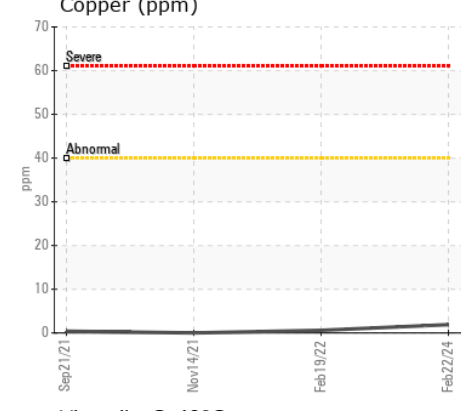
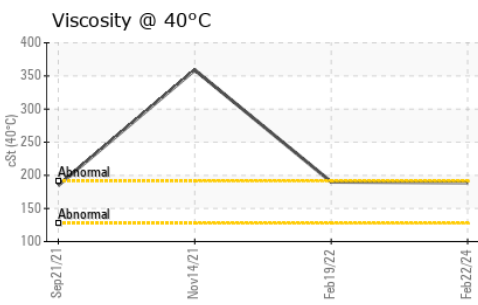
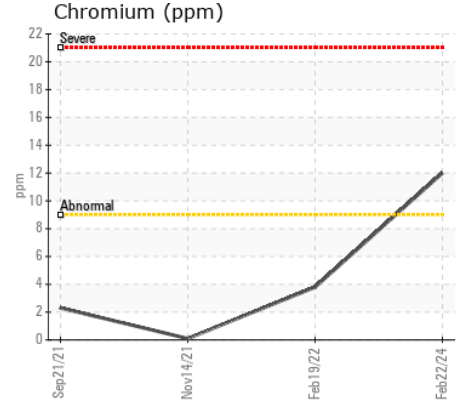
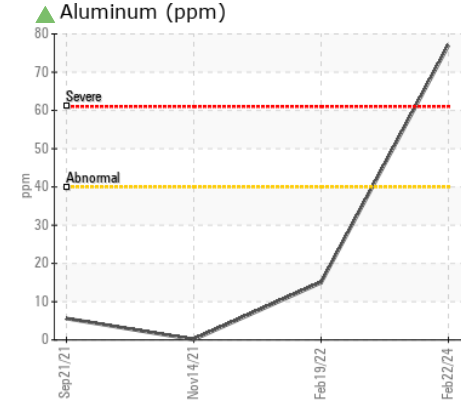
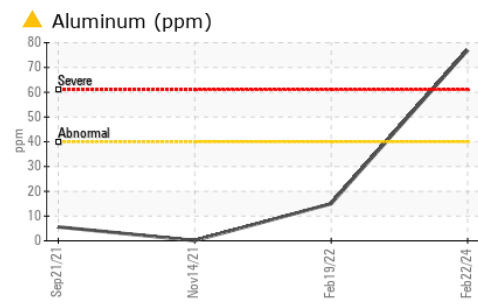
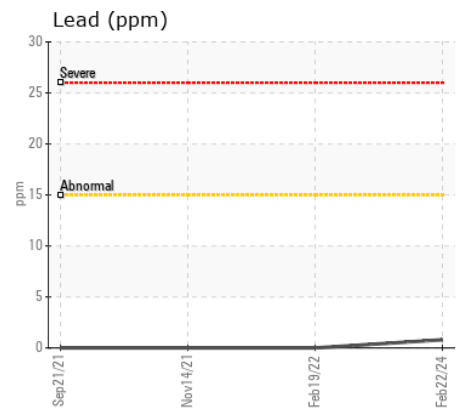
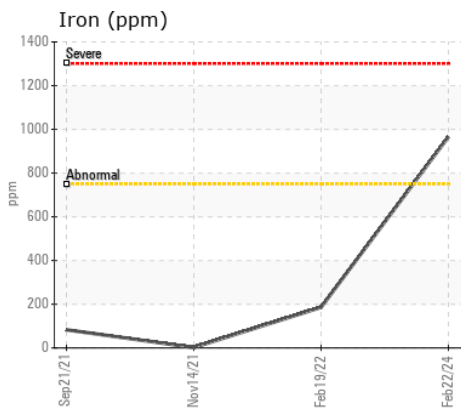
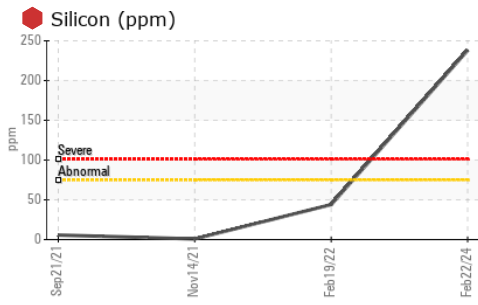
PQ		ASTM D8184	>1250	<b>272</b>	99	21
Iron	ppm	ASTM D5185m	>750	<b>966</b>	186	2
Chromium	ppm	ASTM D5185m	>9	<b>12</b>	4	<1
Nickel	ppm	ASTM D5185m	>10	<b>3</b>	0	0
Titanium	ppm	ASTM D5185m		<b>5</b>	1	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>▲ 77</b>	15	<1
Lead	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185m	>40	<b>2</b>	<1	0
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	MODER	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

Silicon	ppm	ASTM D5185m	>75	<b>◆ 238</b>	44	<1
Potassium	ppm	ASTM D5185m	>20	<b>26</b>	5	4
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>	LIGHT	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**

Sodium	ppm	ASTM D5185m	>51	<b>6</b>	<1	2
Boron	ppm	ASTM D5185m		<b>45</b>	45	23
Barium	ppm	ASTM D5185m		<b>13</b>	8	0
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Manganese	ppm	ASTM D5185m		<b>15</b>	5	0
Magnesium	ppm	ASTM D5185m		<b>9</b>	<1	<1
Calcium	ppm	ASTM D5185m		<b>17</b>	14	5
Phosphorus	ppm	ASTM D5185m		<b>480</b>	504	1764
Zinc	ppm	ASTM D5185m		<b>47</b>	33	17
Sulfur	ppm	ASTM D5185m		<b>14783</b>	12840	33027
Visc @ 40°C	cSt	ASTM D445		<b>189</b>	190	359



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0197001 **Received** : 26 Feb 2024  
**Lab Number** : 06100343 **Tested** : 27 Feb 2024  
**Unique Number** : 10898573 **Diagnosed** : 28 Feb 2024 - Don Baldrige  
**Test Package** : MOBCE ( 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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