



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

Machine Id  
**JOHN DEERE 470G 1FF470GXLJF236036**  
 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>JR0214056</b>	JR0213914	JR0200806
Sample Date		Client Info		<b>26 Jun 2024</b>	20 May 2024	22 Feb 2024
Machine Age	hrs	Client Info		<b>5696</b>	5542	5149
Oil Age	hrs	Client Info		<b>5303</b>	393	5149
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>233</b>	277	216
Iron	ppm	ASTM D5185m	>750	<b>559</b>	413	513
Chromium	ppm	ASTM D5185m	>9	<b>6</b>	4	7
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>2</b>	<1	3
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>22</b>	16	37
Lead	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	<1
Copper	ppm	ASTM D5185m	>40	<b>1</b>	0	<1
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

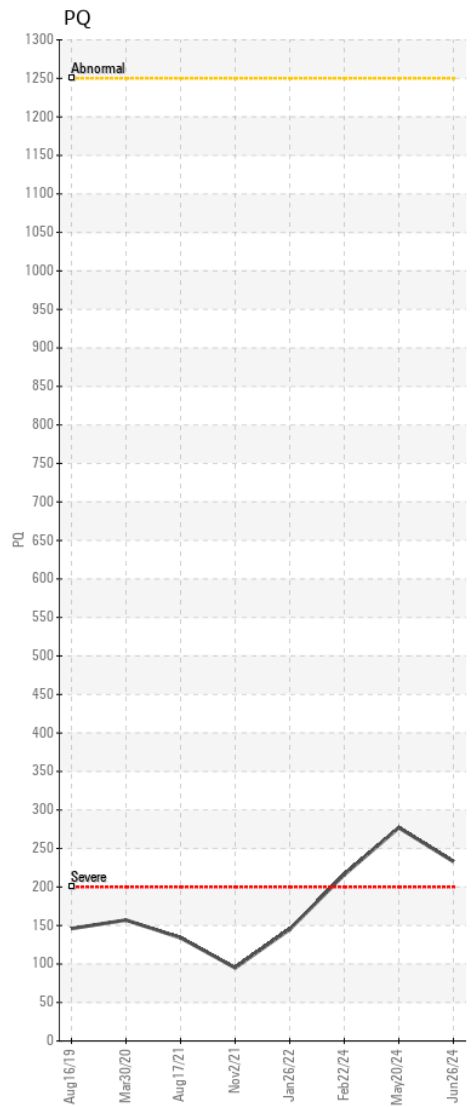
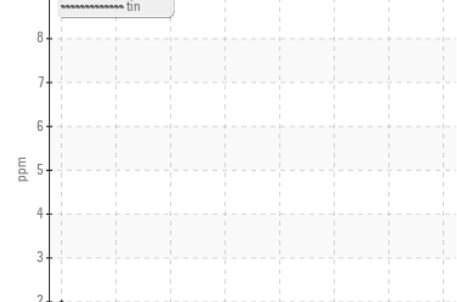
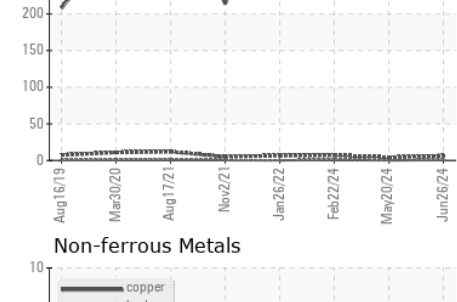
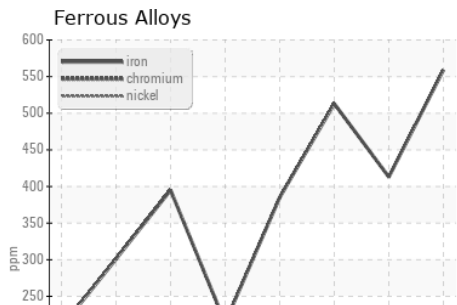
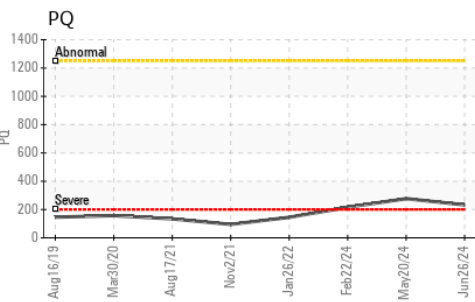
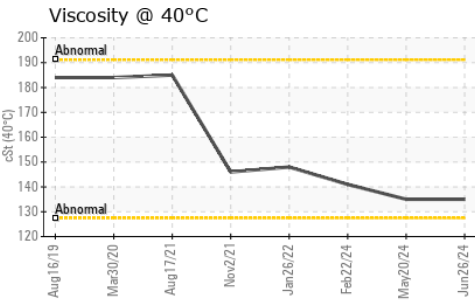
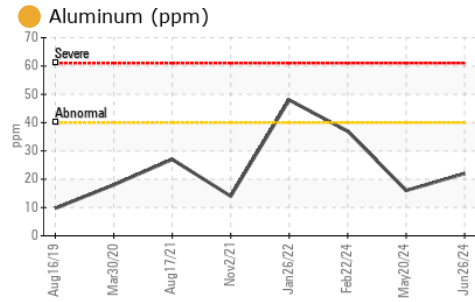
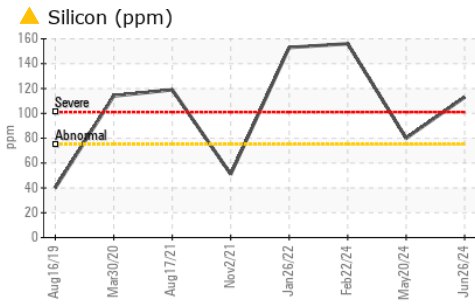
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	<b>▲ 113</b>	▲ 80	▲ 156
Potassium	ppm	ASTM D5185m	>20	<b>12</b>	6	12
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>7</b>	5	6
Boron	ppm	ASTM D5185m		<b>20</b>	20	156
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Molybdenum	ppm	ASTM D5185m		<b>1</b>	0	1
Manganese	ppm	ASTM D5185m		<b>5</b>	3	6
Magnesium	ppm	ASTM D5185m		<b>6</b>	2	3
Calcium	ppm	ASTM D5185m		<b>30</b>	35	137
Phosphorus	ppm	ASTM D5185m		<b>589</b>	586	1076
Zinc	ppm	ASTM D5185m		<b>29</b>	19	0
Sulfur	ppm	ASTM D5185m		<b>18682</b>	19948	23617
Visc @ 40°C	cSt	ASTM D445		<b>135</b>	135	141



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0214056 **Received** : 27 Jun 2024  
**Lab Number** : 06222518 **Tested** : 01 Jul 2024  
**Unique Number** : 11100715 **Diagnosed** : 01 Jul 2024 - Jonathan Hester  
**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)

**JRE - GREENVILLE**  
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