



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

Machine Id  
**JOHN DEERE 200G 1FF200GXANF085263**  
 Component  
**Right 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>JR0226641</b>	JR0196006	JR0174487
Sample Date		Client Info		<b>15 Jul 2024</b>	14 Dec 2023	02 Jun 2023
Machine Age	hrs	Client Info		<b>2528</b>	1975	1490
Oil Age	hrs	Client Info		<b>553</b>	1975	1490
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Changed	Not Changd
Filter Changed		Client Info		<b>None</b>	N/A	N/A
Sample Status				<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>473</b>	868	506
Iron	ppm	ASTM D5185m	>750	<b>940</b>	1395	1127
Chromium	ppm	ASTM D5185m	>9	<b>10</b>	17	15
Nickel	ppm	ASTM D5185m	>10	<b>2</b>	2	2
Titanium	ppm	ASTM D5185m		<b>7</b>	4	4
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>90</b>	25	25
Lead	ppm	ASTM D5185m	>15	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>40	<b>3</b>	3	3
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

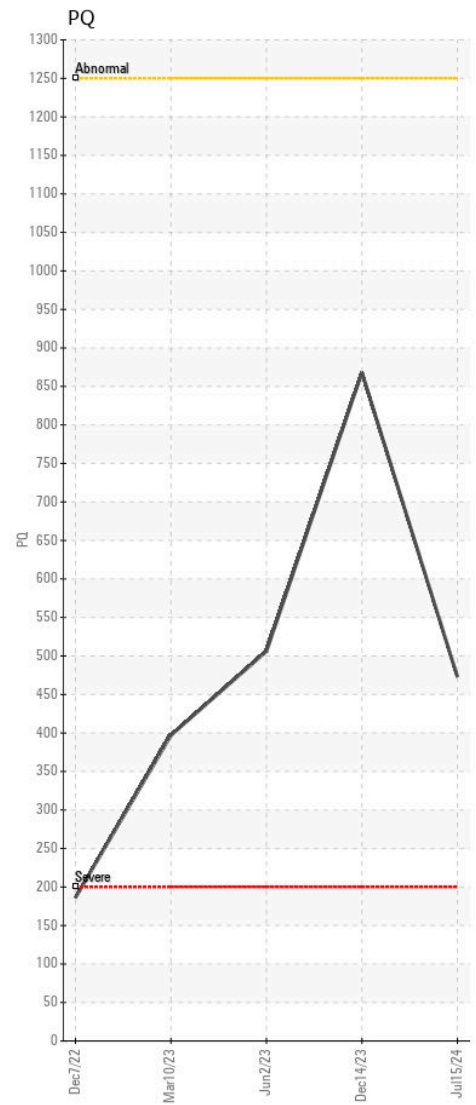
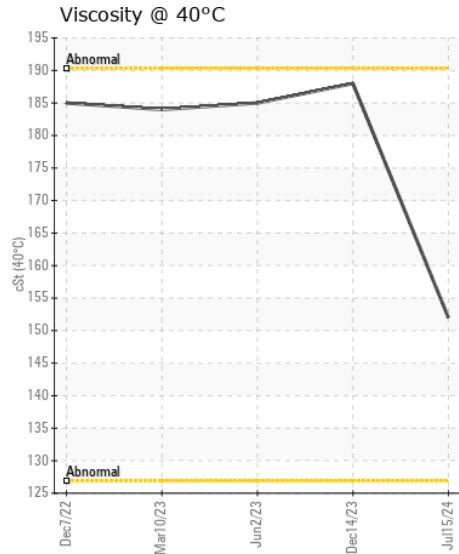
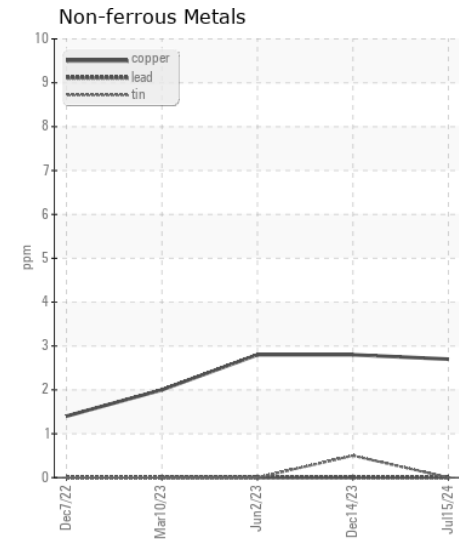
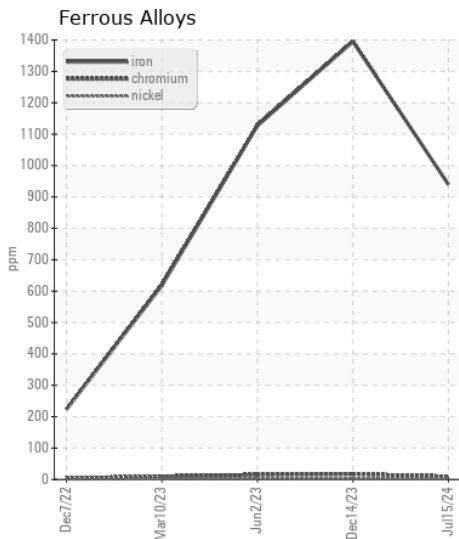
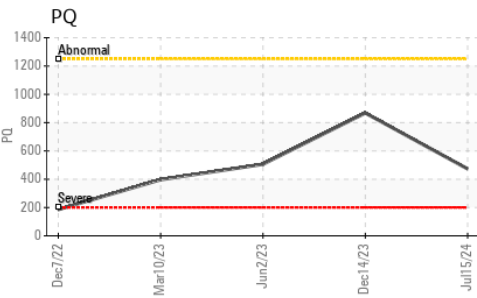
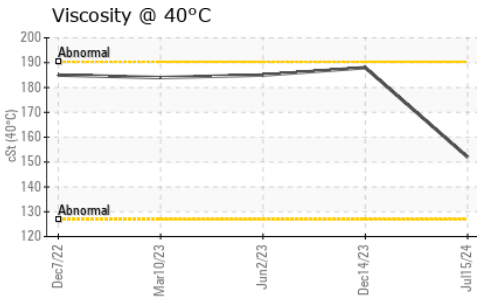
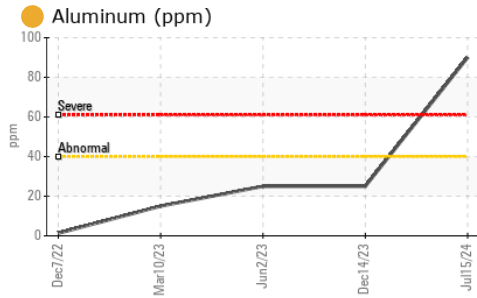
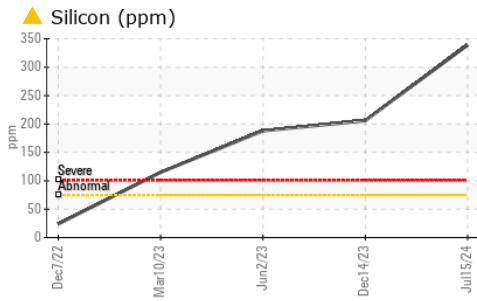
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	<b>339</b>	206	188
Potassium	ppm	ASTM D5185m	>20	<b>23</b>	8	6
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>&lt;1</b>	1	2
Boron	ppm	ASTM D5185m		<b>27</b>	66	69
Barium	ppm	ASTM D5185m		<b>3</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	<1	2
Manganese	ppm	ASTM D5185m		<b>11</b>	17	15
Magnesium	ppm	ASTM D5185m		<b>7</b>	0	8
Calcium	ppm	ASTM D5185m		<b>5</b>	2	27
Phosphorus	ppm	ASTM D5185m		<b>438</b>	446	525
Zinc	ppm	ASTM D5185m		<b>20</b>	21	27
Sulfur	ppm	ASTM D5185m		<b>21128</b>	15385	19028
Visc @ 40°C	cSt	ASTM D445		<b>152</b>	188	185



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0226641 **Received** : 18 Jul 2024  
**Lab Number** : 06240627 **Tested** : 19 Jul 2024  
**Unique Number** : 11129461 **Diagnosed** : 20 Jul 2024 - Don Baldridge  
**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 - MANASSAS PARK**  
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