



Area  
**[05W47032]**  
 Machine Id  
**JOHN DEERE 245G 1FF245GXVJF801010**  
 Component  
**Left Final Drive**  
 Fluid  
**JOHN DEERE GL-5 80W90 (8 QTS)**

### 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>JR0218085</b>	JR0195893	JR0176230
Sample Date		Client Info		<b>30 May 2024</b>	13 Feb 2024	13 Jul 2023
Machine Age	hrs	Client Info		<b>6415</b>	5915	5404
Oil Age	hrs	Client Info		<b>500</b>	4492	1500
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>ABNORMAL</b>	SEVERE	ABNORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>224</b>	442	439
Iron	ppm	ASTM D5185m	>750	<b>451</b>	1054	916
Chromium	ppm	ASTM D5185m	>9	<b>2</b>	8	8
Nickel	ppm	ASTM D5185m	>10	<b>2</b>	4	3
Titanium	ppm	ASTM D5185m		<b>2</b>	6	6
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>18</b>	68	65
Lead	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	<1
Copper	ppm	ASTM D5185m	>40	<b>&lt;1</b>	3	5
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

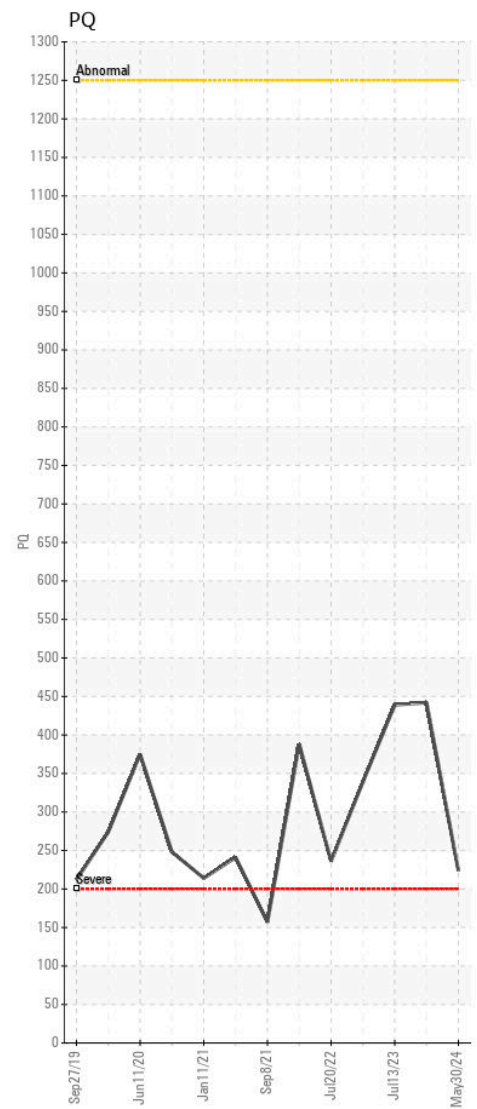
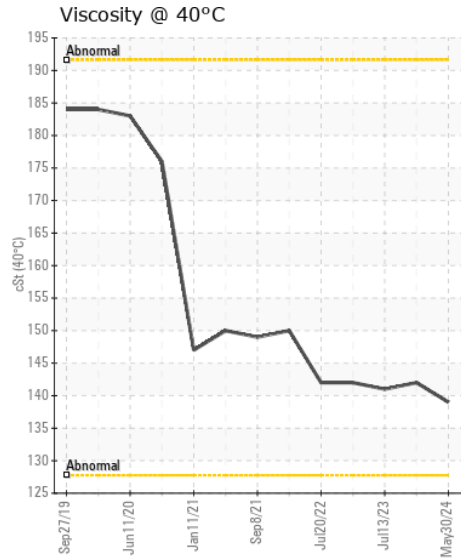
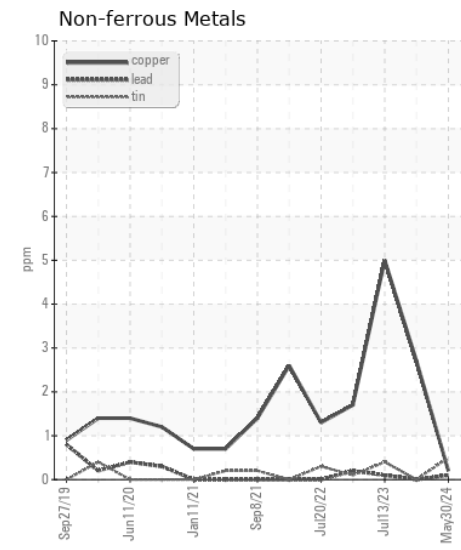
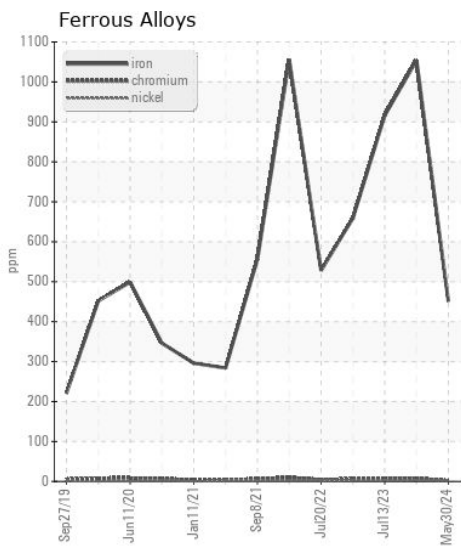
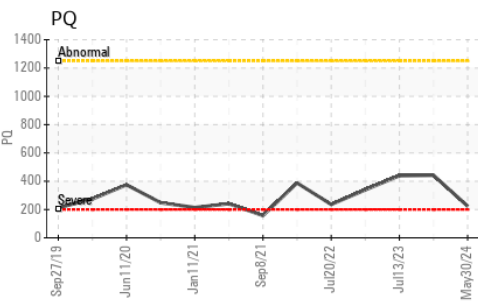
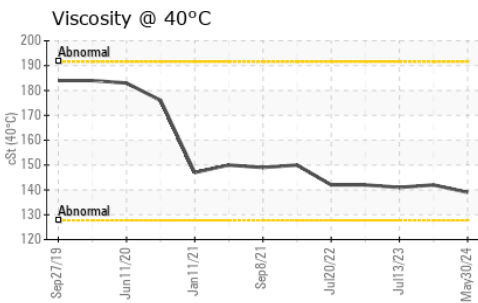
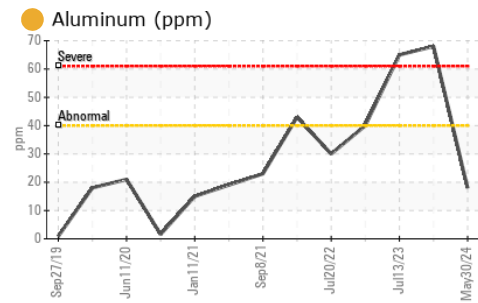
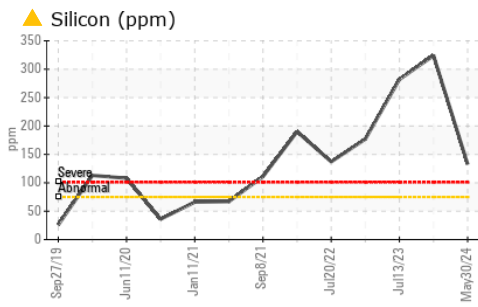
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	<b>133</b>	324	282
Potassium	ppm	ASTM D5185m	>20	<b>6</b>	19	16
Water		WC Method	>0.075	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	MODER	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>2</b>	1	3
Boron	ppm	ASTM D5185m		<b>2</b>	10	7
Barium	ppm	ASTM D5185m		<b>2</b>	12	0
Molybdenum	ppm	ASTM D5185m		<b>3</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>3</b>	9	9
Magnesium	ppm	ASTM D5185m		<b>7</b>	8	7
Calcium	ppm	ASTM D5185m		<b>9</b>	19	23
Phosphorus	ppm	ASTM D5185m		<b>330</b>	312	392
Zinc	ppm	ASTM D5185m		<b>&lt;1</b>	15	9
Sulfur	ppm	ASTM D5185m		<b>21369</b>	18539	23004
Visc @ 40°C	cSt	ASTM D445		<b>139</b>	142	141



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0218085  
**Lab Number** : 06196936  
**Unique Number** : 11059059  
**Test Package** : CONST ( Additional Tests: PQ )

**Received** : 31 May 2024  
**Tested** : 03 Jun 2024  
**Diagnosed** : 03 Jun 2024 - Sean Felton

**CWS-STRITTMATTER**  
 9102 OWENS DR  
 MANASSAS PARK, VA  
 US 20111

Contact: EDDIE GARRETSON  
 egarretson@strittmattercompanies.com

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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