



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

Machine Id  
**JOHN DEERE 245G 1FF245GXLHF800470**

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. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

### WEAR

All component wear rates are normal.

### CONTAMINATION

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

### FLUID CONDITION

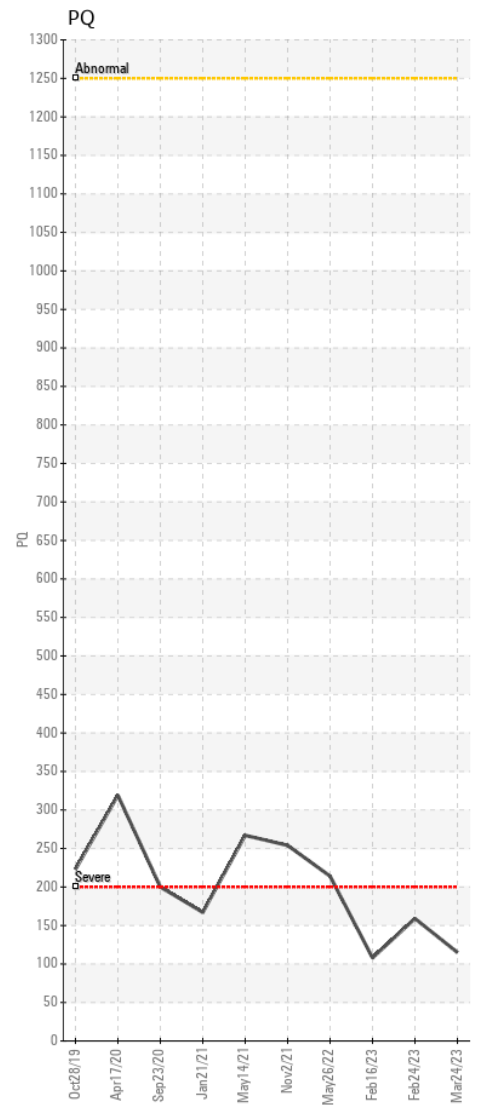
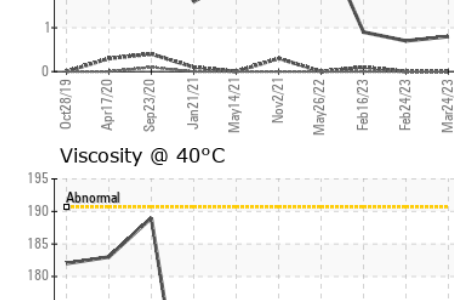
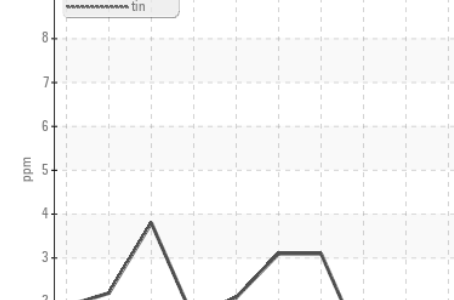
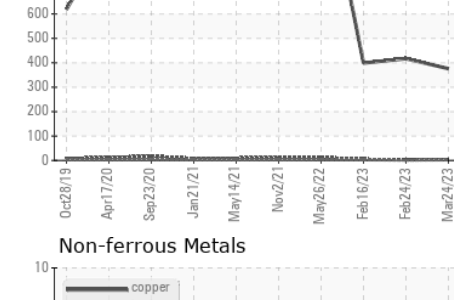
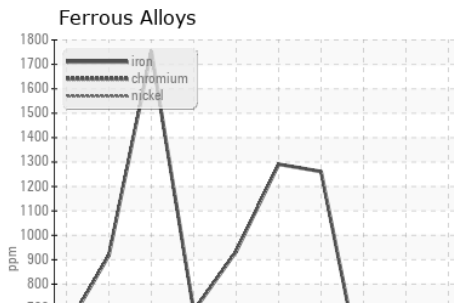
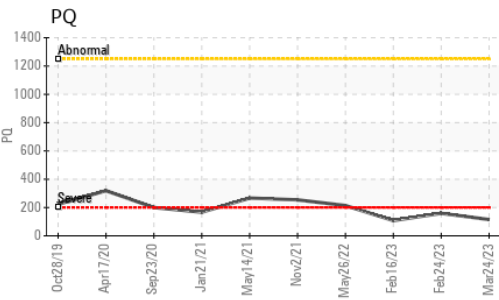
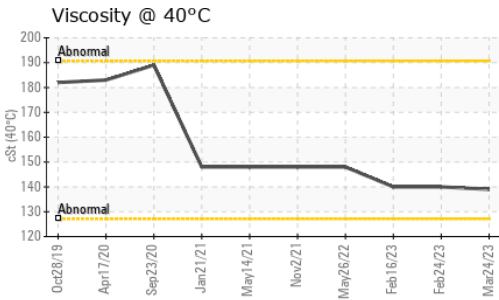
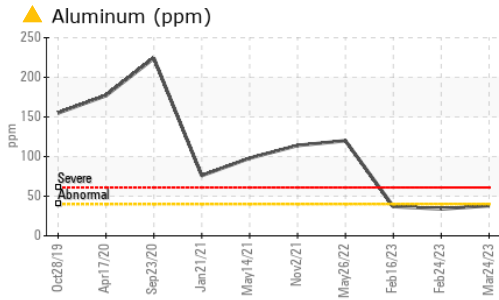
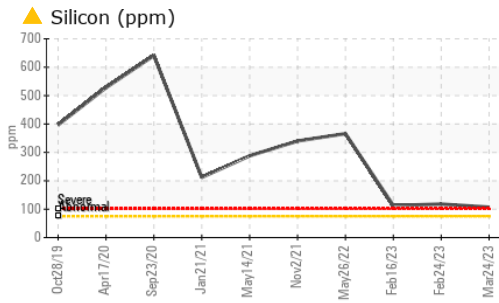
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0166276</b>	JR0162841	JR0162765
Sample Date		Client Info		<b>24 Mar 2023</b>	24 Feb 2023	16 Feb 2023
Machine Age	hrs	Client Info		<b>4457</b>	4457	4440
Oil Age	hrs	Client Info		<b>3958</b>	300	482
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Not Changd	N/A
Filter Changed		Client Info		<b>None</b>	Not Changd	N/A
Sample Status				<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

PQ		ASTM D8184	>1250	<b>115</b>	159	108
Iron	ppm	ASTM D5185m	>750	<b>376</b>	417	399
Chromium	ppm	ASTM D5185m	>9	<b>3</b>	3	4
Nickel	ppm	ASTM D5185m	>10	<b>1</b>	<1	1
Titanium	ppm	ASTM D5185m		<b>3</b>	2	3
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>▲ 38</b>	▲ 34	▲ 37
Lead	ppm	ASTM D5185m	>15	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m	>40	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
White Metal	scalar	*Visual	NONE	<b>MODER</b>	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

Silicon	ppm	ASTM D5185m	>75	<b>▲ 107</b>	▲ 118	▲ 113
Potassium	ppm	ASTM D5185m	>20	<b>10</b>	8	9
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>	▲ MODER	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

Sodium	ppm	ASTM D5185m	>51	<b>4</b>	6	5
Boron	ppm	ASTM D5185m		<b>5</b>	6	4
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>2</b>	1	2
Manganese	ppm	ASTM D5185m		<b>4</b>	4	4
Magnesium	ppm	ASTM D5185m		<b>14</b>	12	12
Calcium	ppm	ASTM D5185m		<b>25</b>	23	26
Phosphorus	ppm	ASTM D5185m		<b>313</b>	300	314
Zinc	ppm	ASTM D5185m		<b>15</b>	17	15
Sulfur	ppm	ASTM D5185m		<b>19761</b>	17539	19510
Visc @ 40°C	cSt	ASTM D445		<b>139</b>	140	140



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0166276 **Received** : 27 Mar 2023  
**Lab Number** : 05802660 **Diagnosed** : 30 Mar 2023  
**Unique Number** : 10400189 **Diagnostician** : Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - MANASSAS PARK**  
 9107 OWENS DRIVE  
 MANASSAS PARK, VA  
 US 20111

Contact: DON VEST  
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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)