



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

Machine Id  
**JOHN DEERE 245G B-144 (S/N 1FF245GXCMF802178)**  
 Component  
**Right Final Drive**  
 Fluid  
**JOHN DEERE GL-5 80W90 (6 QTS)**

### RECOMMENDATION

We advise that you check for the source of water entry. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0225677</b>	JR0217859	JR0211197
Sample Date		Client Info		<b>08 Jul 2024</b>	23 May 2024	05 Apr 2024
Machine Age	hrs	Client Info		<b>4815</b>	4554	4309
Oil Age	hrs	Client Info		<b>4815</b>	4316	238
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>None</b>	None	None
Sample Status				<b>ABNORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>222</b>	247	258
Iron	ppm	ASTM D5185m	>750	<b>864</b>	471	335
Chromium	ppm	ASTM D5185m	>9	<b>9</b>	5	4
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	1	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>5</b>	4	2
Lead	ppm	ASTM D5185m	>15	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m	>40	<b>1</b>	1	<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>MODER</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

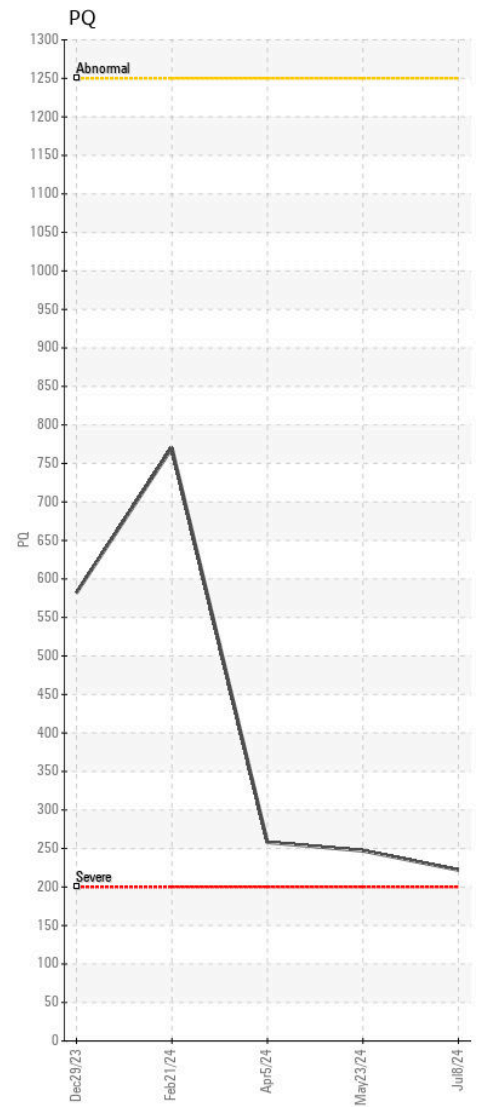
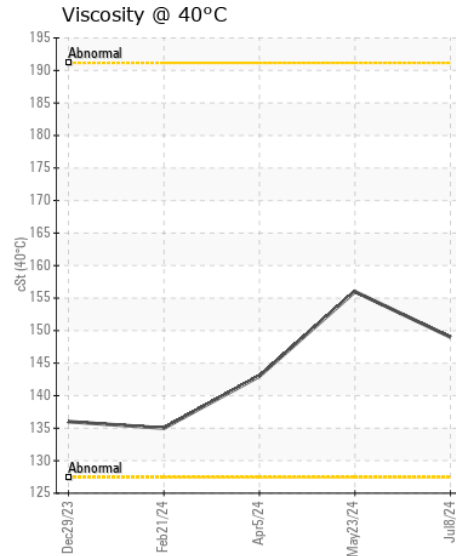
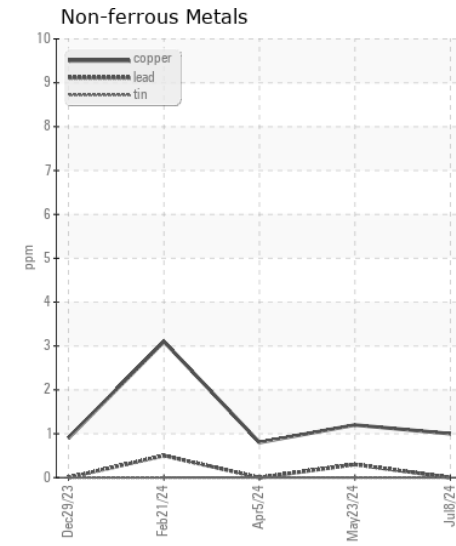
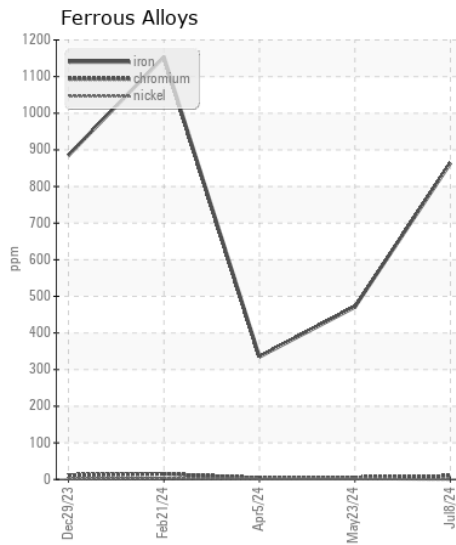
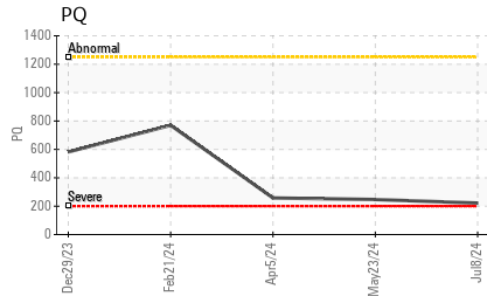
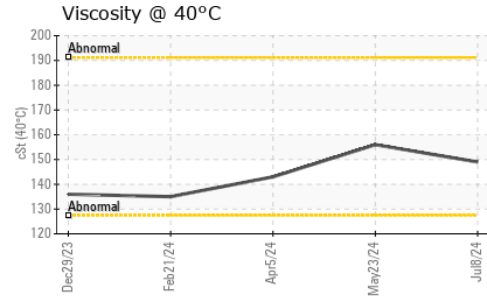
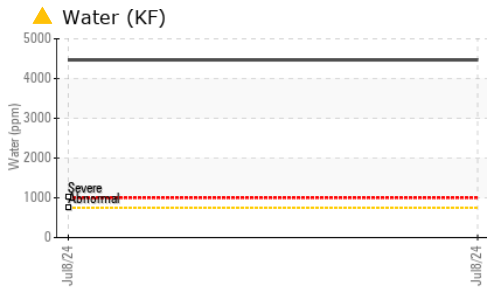
Appearance is hazy. There is a moderate concentration of water present in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>31</b>	26	16
Potassium	ppm	ASTM D5185m	>20	<b>5</b>	4	3
Water	%	ASTM D6304	>0.075	<b>▲ 0.447</b>	---	---
ppm Water	ppm	ASTM D6304	>750	<b>▲ 4470</b>	---	---
Silt	scalar	*Visual	NONE	<b>MODER</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>● HAZY</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	<b>▲ 0.2%</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>	0	0
Boron	ppm	ASTM D5185m		<b>17</b>	16	8
Barium	ppm	ASTM D5185m		<b>4</b>	4	4
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	7	<1
Manganese	ppm	ASTM D5185m		<b>8</b>	4	3
Magnesium	ppm	ASTM D5185m		<b>4</b>	23	6
Calcium	ppm	ASTM D5185m		<b>117</b>	114	162
Phosphorus	ppm	ASTM D5185m		<b>640</b>	587	616
Zinc	ppm	ASTM D5185m		<b>54</b>	56	61
Sulfur	ppm	ASTM D5185m		<b>22911</b>	19555	20513
Visc @ 40°C	cSt	ASTM D445		<b>149</b>	156	143



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0225677 **Received** : 09 Jul 2024  
**Lab Number** : 06231635 **Tested** : 10 Jul 2024  
**Unique Number** : 11115128 **Diagnosed** : 11 Jul 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: KF, PQ )

**PLEASANT CONSTRUCTION INC**  
 24024 FREDERICK RD  
 CLARKSBURG, MD  
 US 20871  
 Contact: HERBIE TRENT

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)

T: (301)502-0163

F: