



Machine Id  
**JOHN DEERE 245G B-145 (S/N 1FF245GXLMF802192)**  
 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.  
 We advise that you check for the source of water entry. Resample at the next service interval to monitor.

### WEAR

All component wear rates are normal.

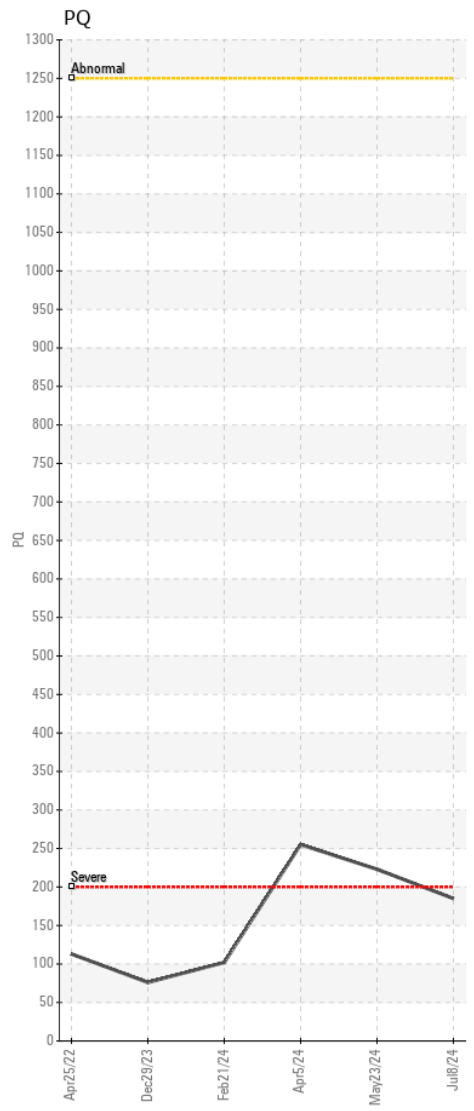
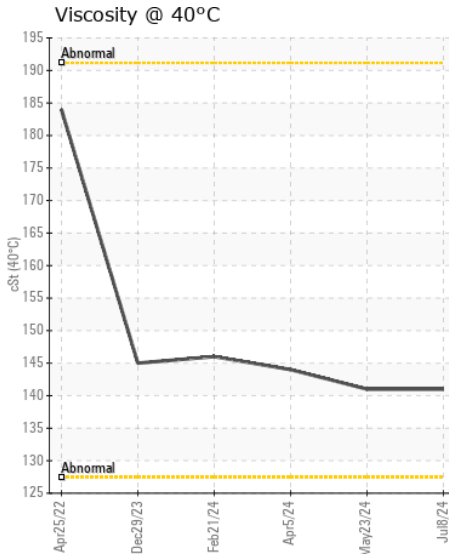
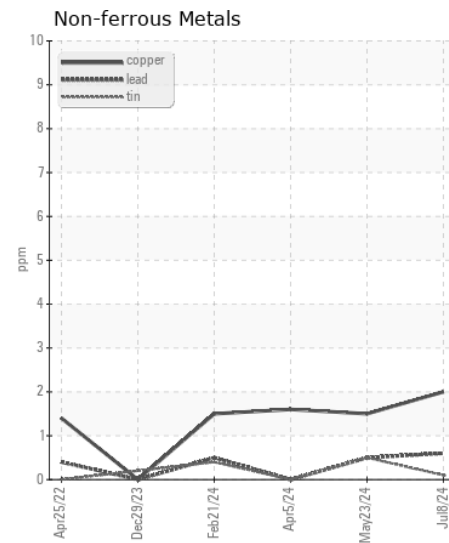
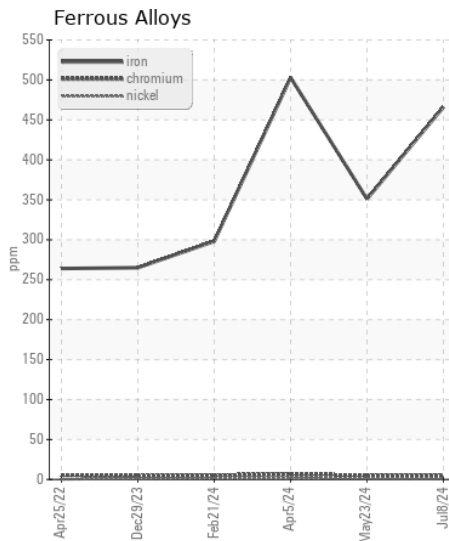
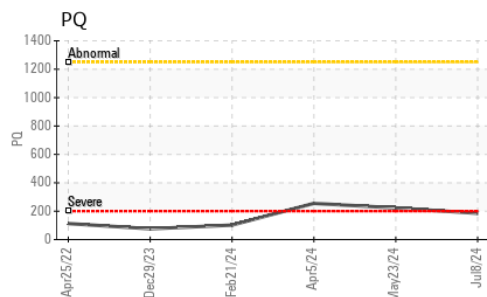
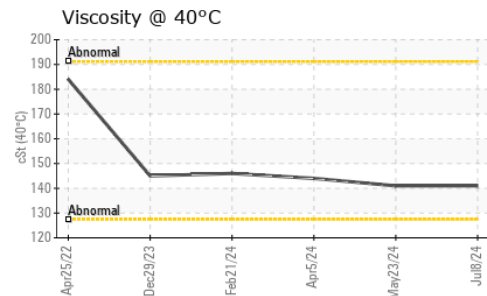
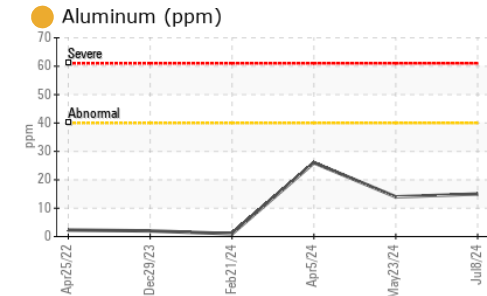
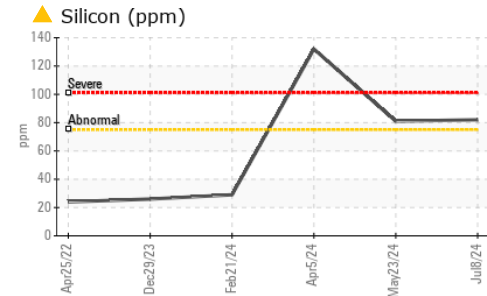
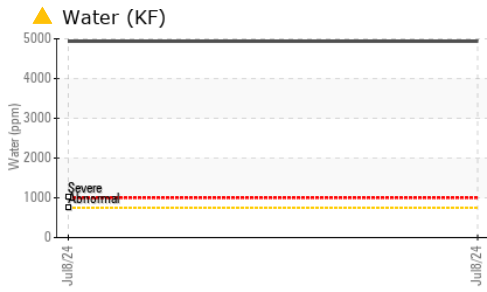
### CONTAMINATION

Appearance is milky. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. There is a moderate concentration of water present in the oil.

### 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>JR0225488</b>	JR0217781	JR0211249
Sample Date		Client Info		<b>08 Jul 2024</b>	23 May 2024	05 Apr 2024
Machine Age	hrs	Client Info		<b>4601</b>	4357	4114
Oil Age	hrs	Client Info		<b>4601</b>	243	4114
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Changd
Filter Changed		Client Info		<b>None</b>	None	None
Sample Status				<b>ABNORMAL</b>	ABNORMAL	ABNORMAL
PQ		ASTM D8184	>1250	<b>185</b>	223	255
Iron	ppm	ASTM D5185m	>750	<b>466</b>	351	503
Chromium	ppm	ASTM D5185m	>9	<b>5</b>	5	7
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	1	2
Titanium	ppm	ASTM D5185m		<b>1</b>	2	3
Silver	ppm	ASTM D5185m		<b>0</b>	1	0
Aluminum	ppm	ASTM D5185m	>40	<b>15</b>	14	26
Lead	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	0
Copper	ppm	ASTM D5185m	>40	<b>2</b>	2	2
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	<b>82</b>	81	132
Potassium	ppm	ASTM D5185m	>20	<b>6</b>	6	10
Water	%	ASTM D6304	>0.075	<b>0.494</b>	---	---
ppm Water	ppm	ASTM D6304	>750	<b>4940</b>	---	---
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>MILKY</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	<b>0.2%</b>	NEG	NEG
Sodium	ppm	ASTM D5185m	>51	<b>2</b>	<1	0
Boron	ppm	ASTM D5185m		<b>29</b>	9	19
Barium	ppm	ASTM D5185m		<b>0</b>	1	<1
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	1	<1
Manganese	ppm	ASTM D5185m		<b>6</b>	5	7
Magnesium	ppm	ASTM D5185m		<b>9</b>	8	14
Calcium	ppm	ASTM D5185m		<b>42</b>	39	145
Phosphorus	ppm	ASTM D5185m		<b>465</b>	357	582
Zinc	ppm	ASTM D5185m		<b>15</b>	15	41
Sulfur	ppm	ASTM D5185m		<b>25666</b>	20978	21547
Visc @ 40°C	cSt	ASTM D445		<b>141</b>	141	144



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0225488 **Received** : 09 Jul 2024  
**Lab Number** : 06231776 **Tested** : 10 Jul 2024  
**Unique Number** : 11115269 **Diagnosed** : 11 Jul 2024 - Don Baldridge  
**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: