



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

Machine Id  
**JOHN DEERE 245G 1FF245GXTMF802196**

Component  
**Pump Drive**

Fluid  
**JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (2 QTS)**

### RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0213049</b>	JR0186613	JR0133686
Sample Date		Client Info		<b>08 May 2024</b>	27 Sep 2023	22 Jun 2022
Machine Age	hrs	Client Info		<b>3030</b>	2159	500
Oil Age	hrs	Client Info		<b>871</b>	2159	500
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>N/A</b>	N/A	N/A
Sample Status				<b>ATTENTION</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>49</b>	21	29
Iron	ppm	ASTM D5185m	>151	<b>93</b>	93	53
Chromium	ppm	ASTM D5185m	>11	<b>&lt;1</b>	2	1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>21	<b>&lt;1</b>	4	1
Lead	ppm	ASTM D5185m	>51	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m	>51	<b>0</b>	2	1
Tin	ppm	ASTM D5185m	>4	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

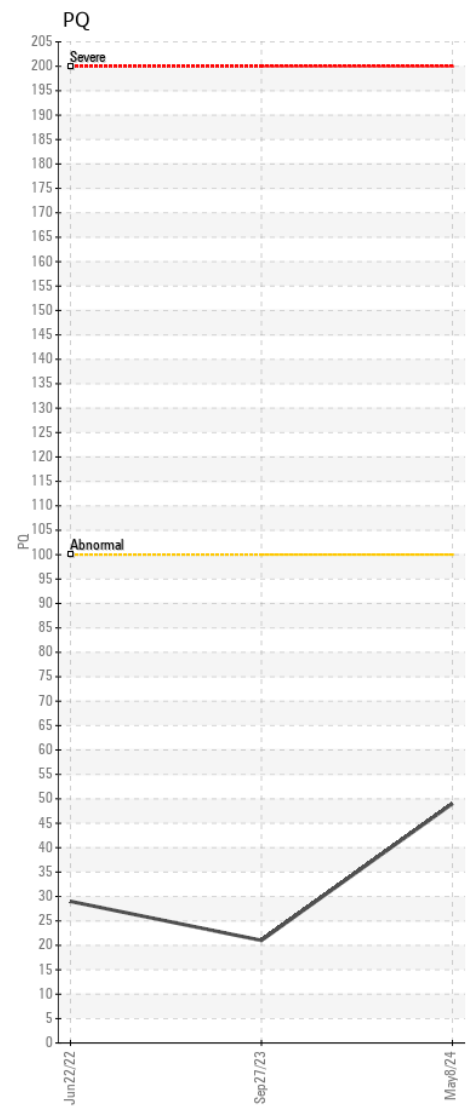
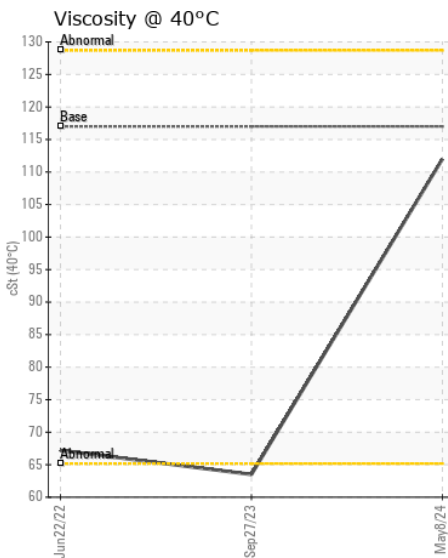
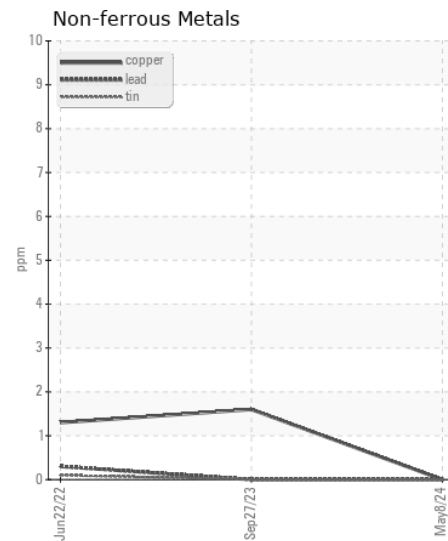
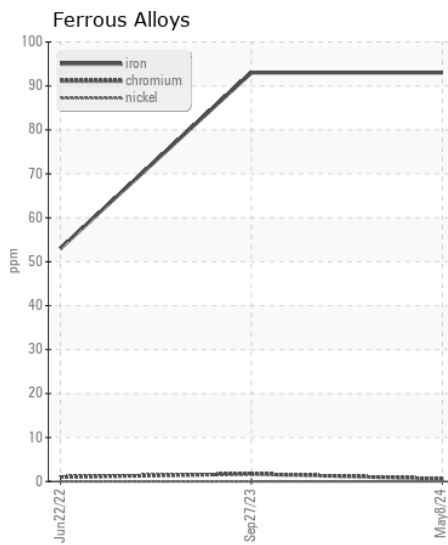
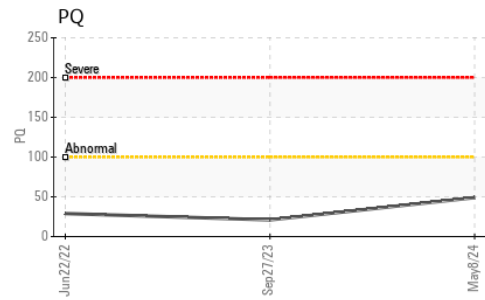
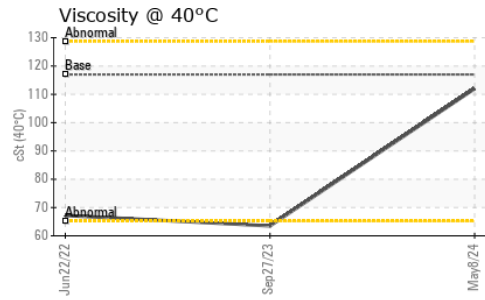
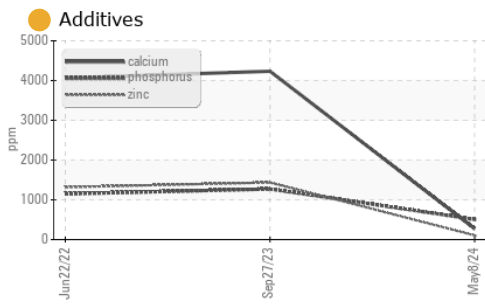
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	<b>11</b>	13	7
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	3	<1
Water		WC Method	>0.1	<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	>0.1	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.

Sodium	ppm	ASTM D5185m	>51	<b>&lt;1</b>	0	3
Boron	ppm	ASTM D5185m		<b>1</b>	79	65
Barium	ppm	ASTM D5185m		<b>0</b>	3	4
Molybdenum	ppm	ASTM D5185m		<b>7</b>	122	104
Manganese	ppm	ASTM D5185m		<b>1</b>	2	2
Magnesium	ppm	ASTM D5185m		<b>3</b>	13	18
Calcium	ppm	ASTM D5185m		<b>274</b>	4235	4065
Phosphorus	ppm	ASTM D5185m		<b>506</b>	1272	1150
Zinc	ppm	ASTM D5185m		<b>104</b>	1436	1317
Sulfur	ppm	ASTM D5185m		<b>18848</b>	11391	8387
Visc @ 40°C	cSt	ASTM D445	117	<b>112</b>	63.5	67.2



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0213049 **Received** : 09 May 2024  
**Lab Number** : 06174750 **Tested** : 10 May 2024  
**Unique Number** : 11020803 **Diagnosed** : 13 May 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - GARNER**  
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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)