



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

Area

**[44841]**

Machine Id

**JOHN DEERE 245G 1FF245GXVJF801010**

Component

**Pump Drive**

Fluid

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

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0195894</b>	JR0176228	JR0154633
Sample Date		Client Info		<b>13 Feb 2024</b>	13 Jul 2023	05 Dec 2022
Machine Age	hrs	Client Info		<b>5915</b>	5404	4936
Oil Age	hrs	Client Info		<b>3553</b>	500	3520
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>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>11</b>	11	7
Iron	ppm	ASTM D5185m	>151	<b>65</b>	53	43
Chromium	ppm	ASTM D5185m	>11	<b>&lt;1</b>	<1	1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>21	<b>4</b>	3	2
Lead	ppm	ASTM D5185m	>51	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185m	>51	<b>&lt;1</b>	2	2
Tin	ppm	ASTM D5185m	>4	<b>0</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

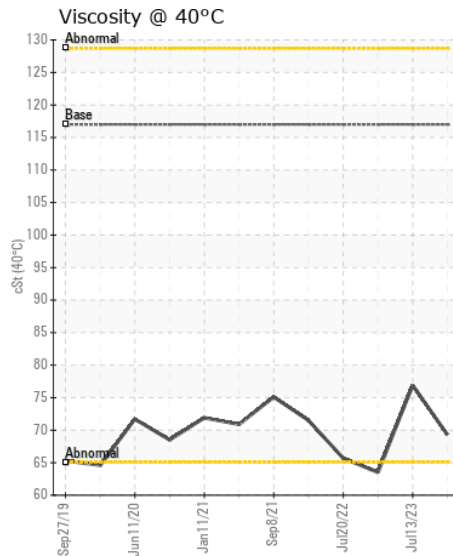
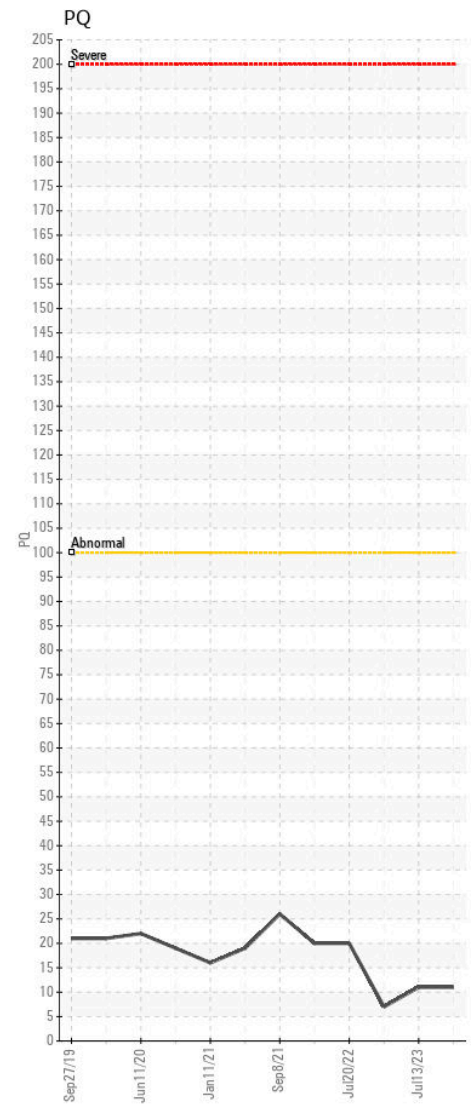
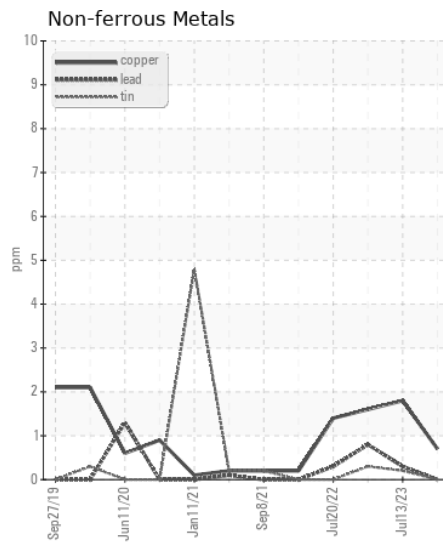
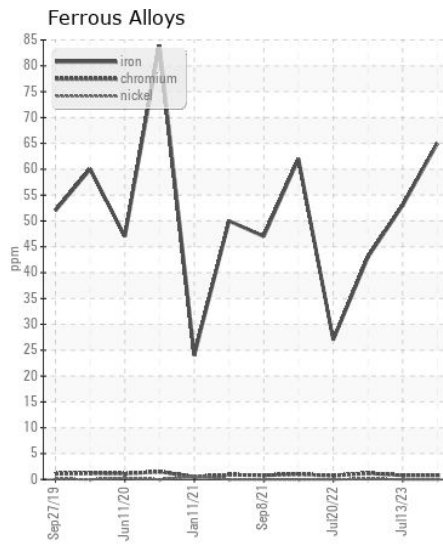
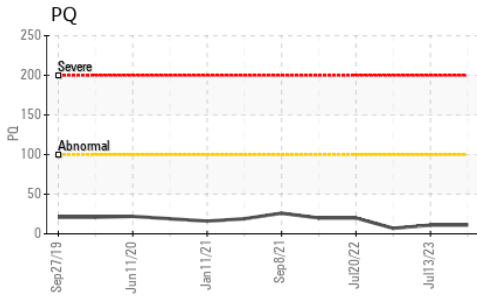
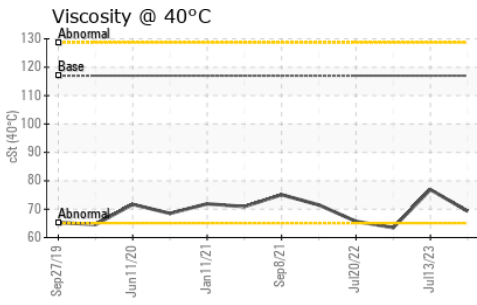
There is no indication of any contamination in the oil.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Silicon	ppm	ASTM D5185m	>31	<b>13</b>	11	10
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	1	0
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	LIGHT
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

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sodium	ppm	ASTM D5185m	>51	<b>0</b>	2	2
Boron	ppm	ASTM D5185m		<b>294</b>	270	60
Barium	ppm	ASTM D5185m		<b>12</b>	0	6
Molybdenum	ppm	ASTM D5185m		<b>250</b>	236	104
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	1	1
Magnesium	ppm	ASTM D5185m		<b>732</b>	827	19
Calcium	ppm	ASTM D5185m		<b>1407</b>	1620	4157
Phosphorus	ppm	ASTM D5185m		<b>897</b>	999	1118
Zinc	ppm	ASTM D5185m		<b>1030</b>	1147	1327
Sulfur	ppm	ASTM D5185m		<b>4351</b>	4647	9064
Visc @ 40°C	cSt	ASTM D445	117	<b>69.3</b>	76.9	63.5



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : JR0195894

**Lab Number** : 06089683

**Unique Number** : 10877128

**Test Package** : CONST ( Additional Tests: PQ )

**Received** : 14 Feb 2024

**Tested** : 16 Feb 2024

**Diagnosed** : 16 Feb 2024 - Wes Davis

**CWS-STRITTMATTER**

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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)