



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

Area

**[W64791]**

Machine Id

**JOHN DEERE 160G 1FF160GXTLF058093**

Component

**Pump Drive**

Fluid

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

### RECOMMENDATION

Resample at the next service interval to monitor. ( Customer Sample Comment: W64791 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0203861</b>	JR0129119	---
Sample Date		Client Info		<b>27 Feb 2024</b>	21 Apr 2022	---
Machine Age	hrs	Client Info		<b>622</b>	101	---
Oil Age	hrs	Client Info		<b>622</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	Not Changed	---
Filter Changed		Client Info		<b>Not Changed</b>	Not Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>16</b>	22	---
Iron	ppm	ASTM D5185m	>151	<b>53</b>	10	---
Chromium	ppm	ASTM D5185m	>11	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185m	>21	<b>1</b>	3	---
Lead	ppm	ASTM D5185m	>51	<b>&lt;1</b>	<1	---
Copper	ppm	ASTM D5185m	>51	<b>&lt;1</b>	<1	---
Tin	ppm	ASTM D5185m	>4	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

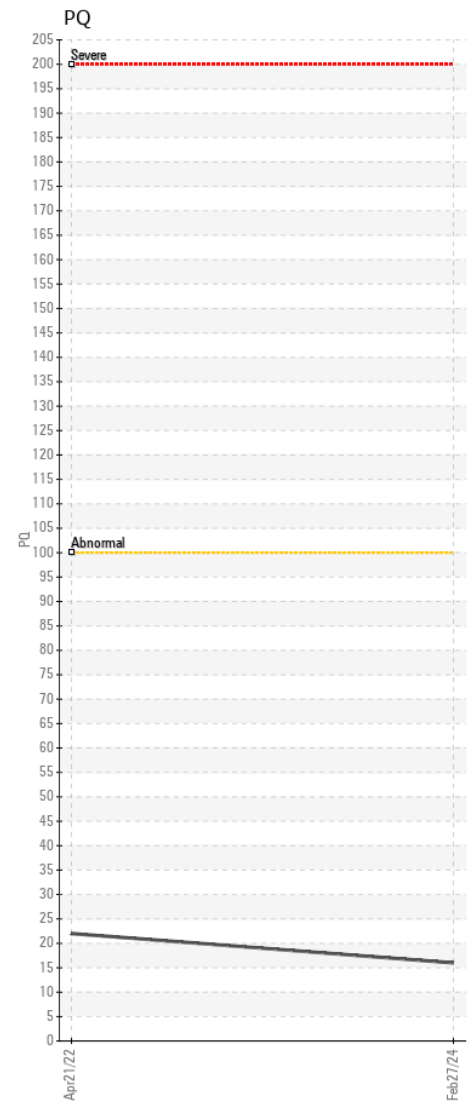
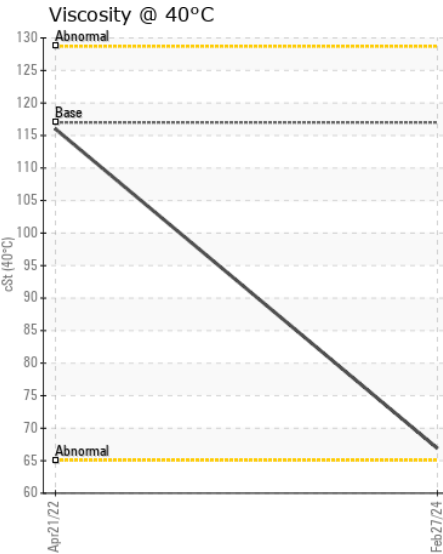
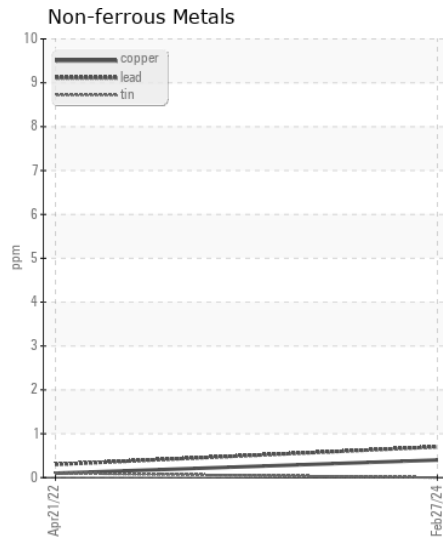
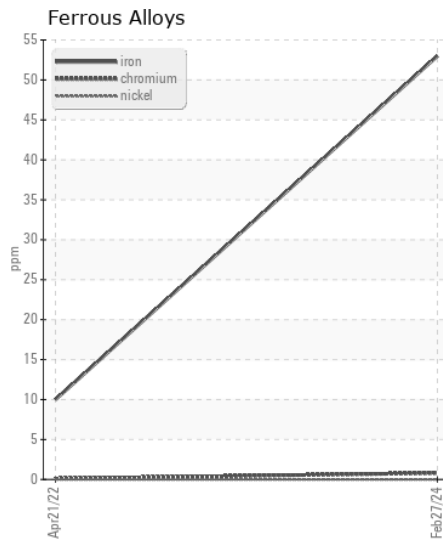
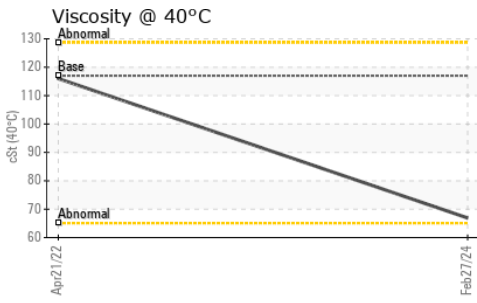
There is no indication of any contamination in the oil.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Silicon	ppm	ASTM D5185m	>31	<b>12</b>	8	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	<1	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	VLITE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	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>4</b>	<1	---
Boron	ppm	ASTM D5185m		<b>55</b>	275	---
Barium	ppm	ASTM D5185m		<b>5</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>102</b>	220	---
Manganese	ppm	ASTM D5185m		<b>3</b>	<1	---
Magnesium	ppm	ASTM D5185m		<b>15</b>	818	---
Calcium	ppm	ASTM D5185m		<b>3953</b>	1368	---
Phosphorus	ppm	ASTM D5185m		<b>1133</b>	873	---
Zinc	ppm	ASTM D5185m		<b>1271</b>	998	---
Sulfur	ppm	ASTM D5185m		<b>7542</b>	2841	---
Visc @ 40°C	cSt	ASTM D445	117	<b>66.9</b>	116	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0203861 **Received** : 29 Feb 2024  
**Lab Number** : 06104619 **Tested** : 01 Mar 2024  
**Unique Number** : 10902849 **Diagnosed** : 04 Mar 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - CHARLOTTE**  
 9550 STATESVILLE ROAD  
 CHARLOTTE, NC  
 US 28269

Contact: CHARLOTTE SHOP  
 myoung@jamesriverequipment.com

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)

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