



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

Area

**[47701]**

Machine Id

**JOHN DEERE 470 P 1FF470PAVPF000293**

Component

**Left Final Drive**

Fluid

**JOHN DEERE GL-5 80W90 (12 QTS)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0225360</b>	JR0203000	---
Sample Date		Client Info		<b>10 Jul 2024</b>	21 Feb 2024	---
Machine Age	hrs	Client Info		<b>983</b>	492	---
Oil Age	hrs	Client Info		<b>983</b>	492	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	---
Filter Changed		Client Info		<b>N/A</b>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>112</b>	146	---
Iron	ppm	ASTM D5185m	>750	<b>390</b>	235	---
Chromium	ppm	ASTM D5185m	>9	<b>6</b>	4	---
Nickel	ppm	ASTM D5185m	>10	<b>1</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>2</b>	<1	---
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185m	>40	<b>10</b>	5	---
Lead	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	---
Copper	ppm	ASTM D5185m	>40	<b>3</b>	<1	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

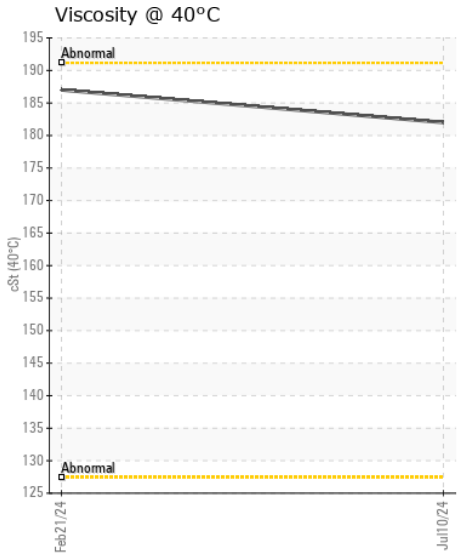
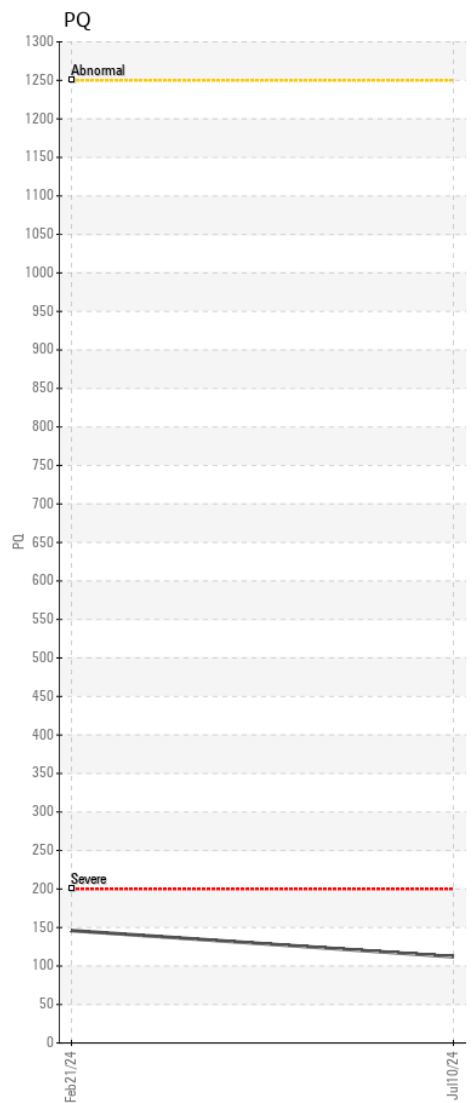
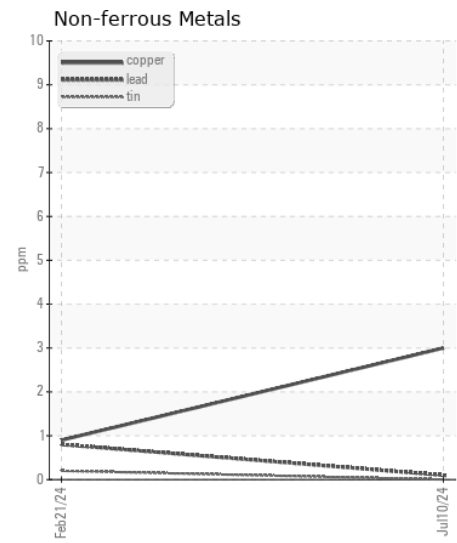
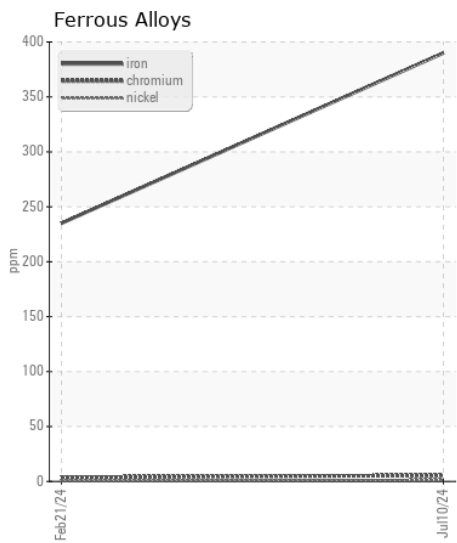
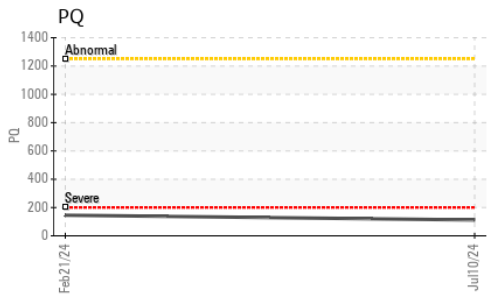
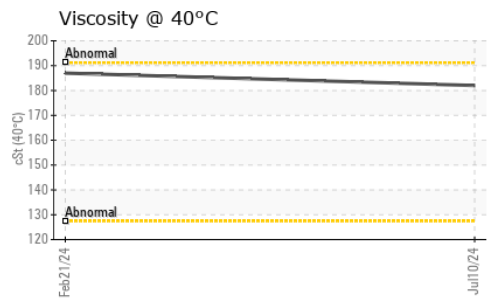
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>39</b>	22	---
Potassium	ppm	ASTM D5185m	>20	<b>23</b>	18	---
Water		WC Method	>0.075	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
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	>0.075	<b>NEG</b>	NEG	---

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	<b>&lt;1</b>	3	---
Boron	ppm	ASTM D5185m		<b>41</b>	48	---
Barium	ppm	ASTM D5185m		<b>6</b>	9	---
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>11</b>	8	---
Magnesium	ppm	ASTM D5185m		<b>3</b>	2	---
Calcium	ppm	ASTM D5185m		<b>94</b>	28	---
Phosphorus	ppm	ASTM D5185m		<b>490</b>	500	---
Zinc	ppm	ASTM D5185m		<b>58</b>	21	---
Sulfur	ppm	ASTM D5185m		<b>12677</b>	13527	---
Visc @ 40°C	cSt	ASTM D445		<b>182</b>	187	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0225360 **Received** : 11 Jul 2024  
**Lab Number** : 06233480 **Tested** : 12 Jul 2024  
**Unique Number** : 11116973 **Diagnosed** : 13 Jul 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - MANASSAS PARK**  
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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)