



WEAR  
CONTAMINATION  
FLUID CONDITION

**ATTENTION**  
**SEVERE**  
**NORMAL**

Area  
**[16W16534]**

Machine Id  
**JOHN DEERE 250G 1FF250GXCMF611672**

Component  
**Right Final Drive**

Fluid  
**JOHN DEERE GL-5 80W90 (7 QTS)**

### RECOMMENDATION

We advise that you check all areas where dirt can enter the system.  
We recommend an early resample to monitor this condition. ( Customer Sample Comment: 16W16534 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0217372</b>	JR0185992	---
Sample Date		Client Info		<b>02 Jul 2024</b>	22 Sep 2023	---
Machine Age	hrs	Client Info		<b>1526</b>	999	---
Oil Age	hrs	Client Info		<b>1526</b>	999	---
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>SEVERE</b>	ABNORMAL	---

### WEAR

All component wear rates are normal for time on oil.

PQ		ASTM D8184	>1250	<b>237</b>	135	---
Iron	ppm	ASTM D5185m	>750	<b>1889</b>	848	---
Chromium	ppm	ASTM D5185m	>9	<b>20</b>	12	---
Nickel	ppm	ASTM D5185m	>10	<b>2</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>7</b>	4	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>40	<b>175</b>	126	---
Lead	ppm	ASTM D5185m	>15	<b>0</b>	<1	---
Copper	ppm	ASTM D5185m	>40	<b>3</b>	4	---
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	MODER	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

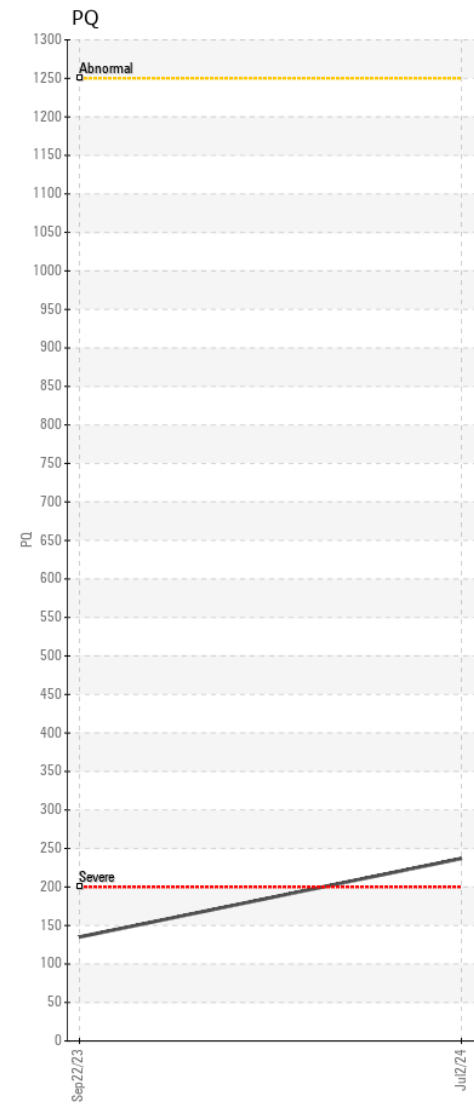
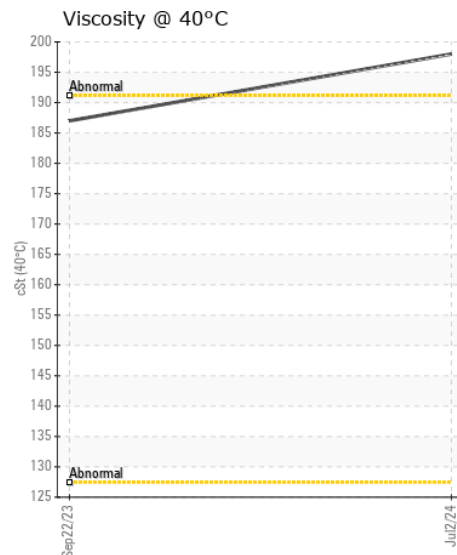
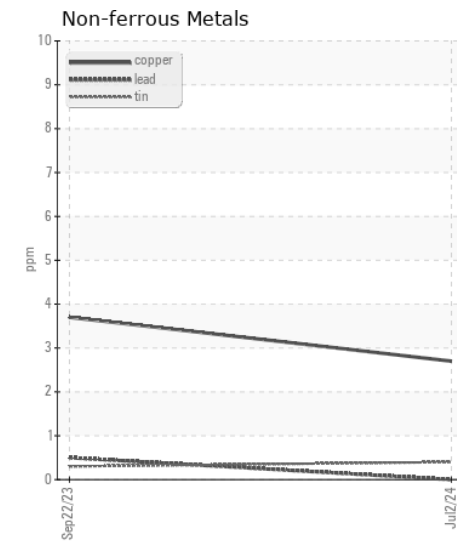
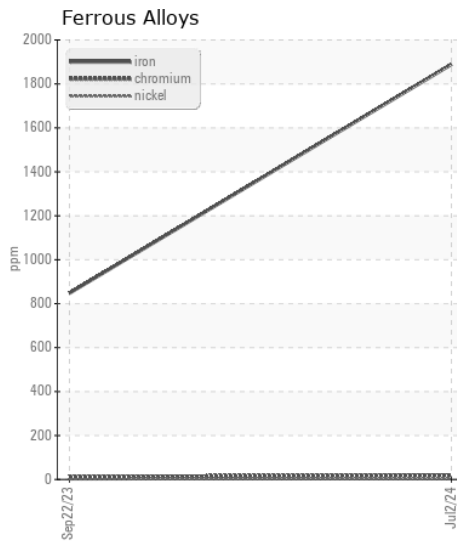
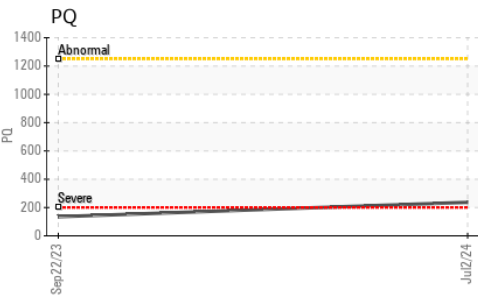
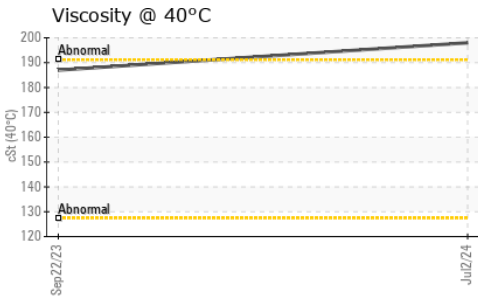
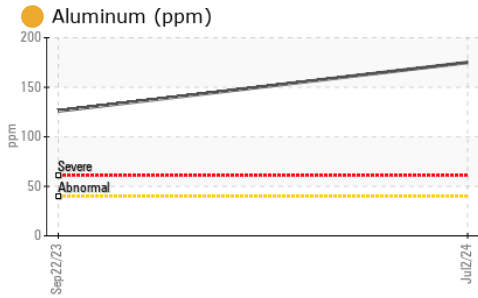
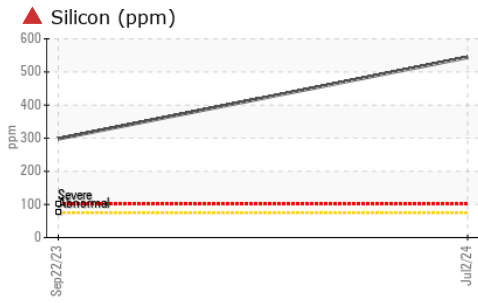
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	<b>544</b>	298	---
Potassium	ppm	ASTM D5185m	>20	<b>50</b>	30	---
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>9</b>	7	---
Boron	ppm	ASTM D5185m		<b>58</b>	69	---
Barium	ppm	ASTM D5185m		<b>6</b>	1	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>24</b>	17	---
Magnesium	ppm	ASTM D5185m		<b>6</b>	4	---
Calcium	ppm	ASTM D5185m		<b>16</b>	16	---
Phosphorus	ppm	ASTM D5185m		<b>510</b>	534	---
Zinc	ppm	ASTM D5185m		<b>30</b>	25	---
Sulfur	ppm	ASTM D5185m		<b>24385</b>	17621	---
Visc @ 40°C	cSt	ASTM D445		<b>198</b>	187	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0217372 **Received** : 03 Jul 2024  
**Lab Number** : 06227747 **Tested** : 05 Jul 2024  
**Unique Number** : 11111240 **Diagnosed** : 06 Jul 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

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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