



# OIL ANALYSIS REPORT

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

Machine Id  
**JOHN DEERE 350G 1FF350GXPKF814078**  
 Component  
**Gearbox**  
 Fluid  
**JOHN DEERE GL-5 80W90 (--- QTS)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WE0006886</b>	WE0004046	---
Sample Date		Client Info		<b>11 Apr 2024</b>	11 Apr 2023	---
Machine Age	hrs	Client Info		<b>3955</b>	2937	---
Oil Age	hrs	Client Info		<b>0</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>N/A</b>	Changed	---
Filter Changed		Client Info		<b>N/A</b>	N/A	---
Sample Status				<b>ABNORMAL</b>	NORMAL	---

## WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>31</b>	29	---
Iron	ppm	ASTM D5185m	>200	<b>▲ 202</b>	59	---
Chromium	ppm	ASTM D5185m	>10	<b>4</b>	<1	---
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>8</b>	<1	---
Lead	ppm	ASTM D5185m	>50	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185m	>200	<b>&lt;1</b>	<1	---
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	---
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

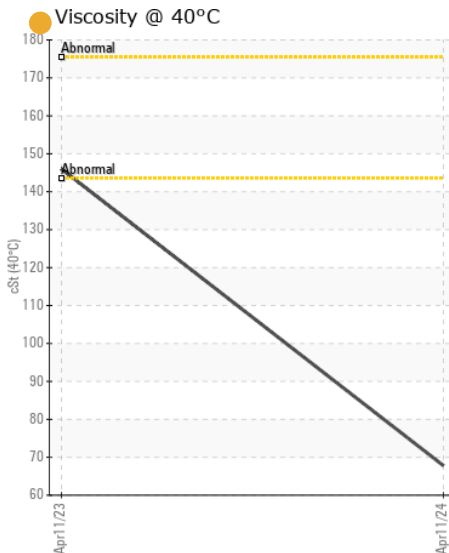
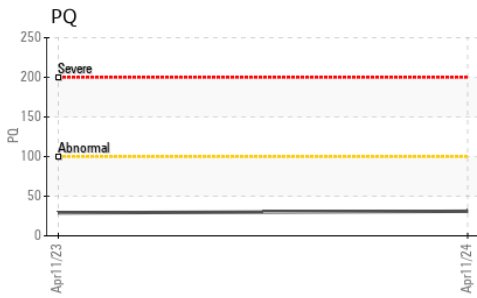
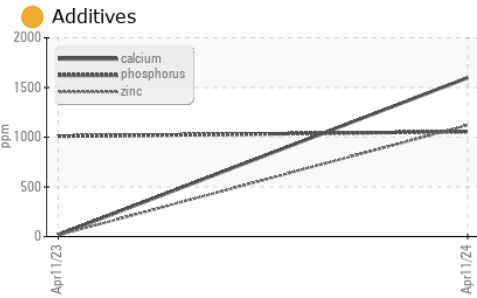
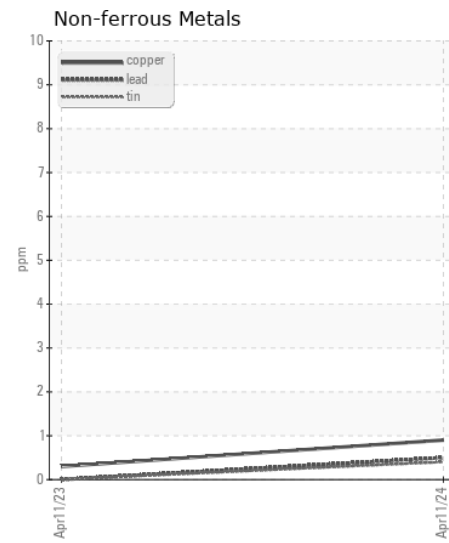
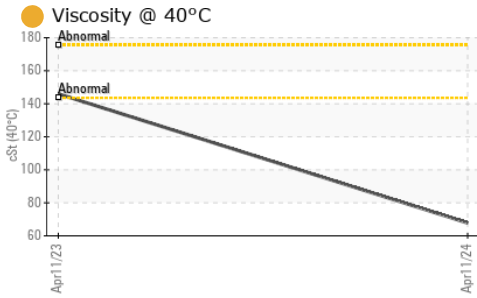
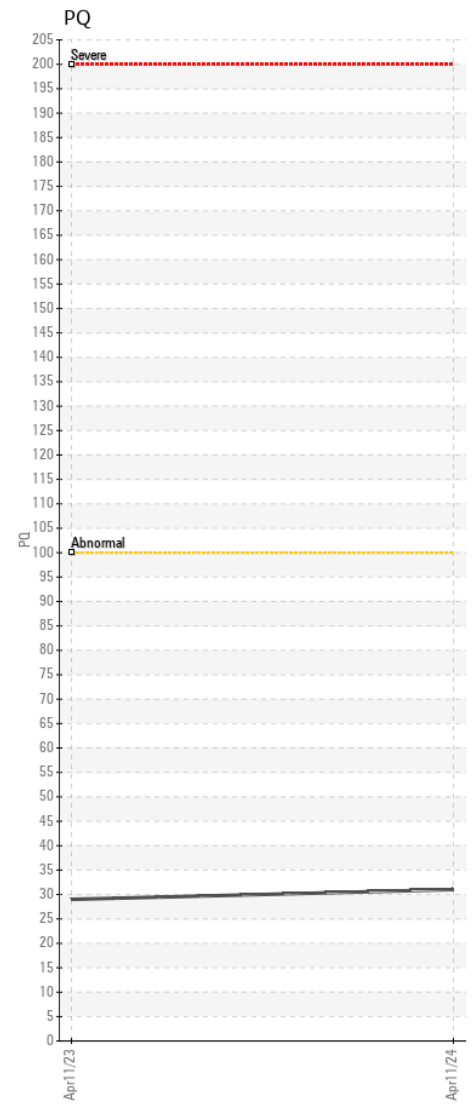
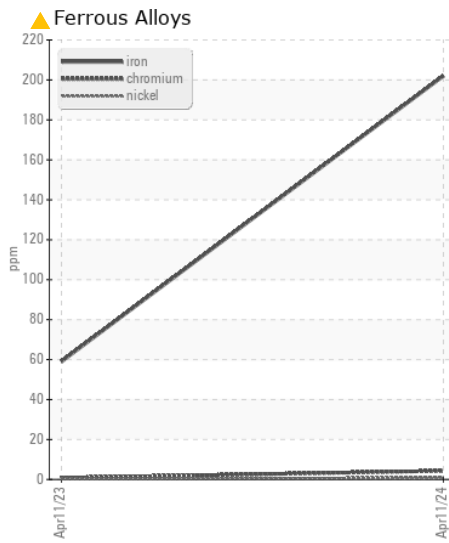
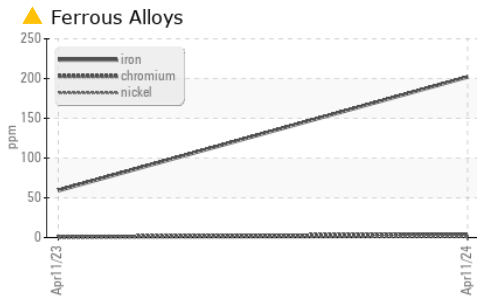
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	<b>49</b>	10	---
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	<1	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>LIGHT</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	>0.2	<b>NEG</b>	NEG	---

## FLUID CONDITION

The oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Sodium	ppm	ASTM D5185m		<b>3</b>	1	---
Boron	ppm	ASTM D5185m		<b>● 264</b>	262	---
Barium	ppm	ASTM D5185m		<b>3</b>	<1	---
Molybdenum	ppm	ASTM D5185m		<b>● 241</b>	2	---
Manganese	ppm	ASTM D5185m		<b>4</b>	<1	---
Magnesium	ppm	ASTM D5185m		<b>● 782</b>	11	---
Calcium	ppm	ASTM D5185m		<b>● 1598</b>	16	---
Phosphorus	ppm	ASTM D5185m		<b>● 1055</b>	1010	---
Zinc	ppm	ASTM D5185m		<b>● 1121</b>	12	---
Sulfur	ppm	ASTM D5185m		<b>● 4291</b>	19410	---
Visc @ 40°C	cSt	ASTM D445		<b>● 67.8</b>	146	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WE0006886 **Received** : 15 Apr 2024  
**Lab Number** : 06148957 **Tested** : 16 Apr 2024  
**Unique Number** : 10979035 **Diagnosed** : 17 Apr 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

**WARRIOR TRACTOR AND EQUIPMENT - NORTHPORT**  
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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)