



Area

[MIDWEST MOLE]

Machine Id

JOHN DEERE 350G 1FF350GXAEF810205

Component

Right Final Drive

Fluid

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

### RECOMMENDATION

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0211113	JR0181989	---
Sample Date		Client Info		10 Apr 2024	17 Jul 2023	---
Machine Age	hrs	Client Info		6425	5952	---
Oil Age	hrs	Client Info		0	5952	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Chngd	Changed	---
Filter Changed		Client Info		Not Chngd	None	---
Sample Status				SEVERE	SEVERE	---

### WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		590	471	---
Iron	ppm	ASTM D5185m	>500	819	796	---
Chromium	ppm	ASTM D5185m	>10	6	6	---
Nickel	ppm	ASTM D5185m	>10	2	3	---
Titanium	ppm	ASTM D5185m		6	7	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	46	74	---
Lead	ppm	ASTM D5185m	>25	1	0	---
Copper	ppm	ASTM D5185m	>50	2	2	---
Tin	ppm	ASTM D5185m	>10	<1	0	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

### CONTAMINATION

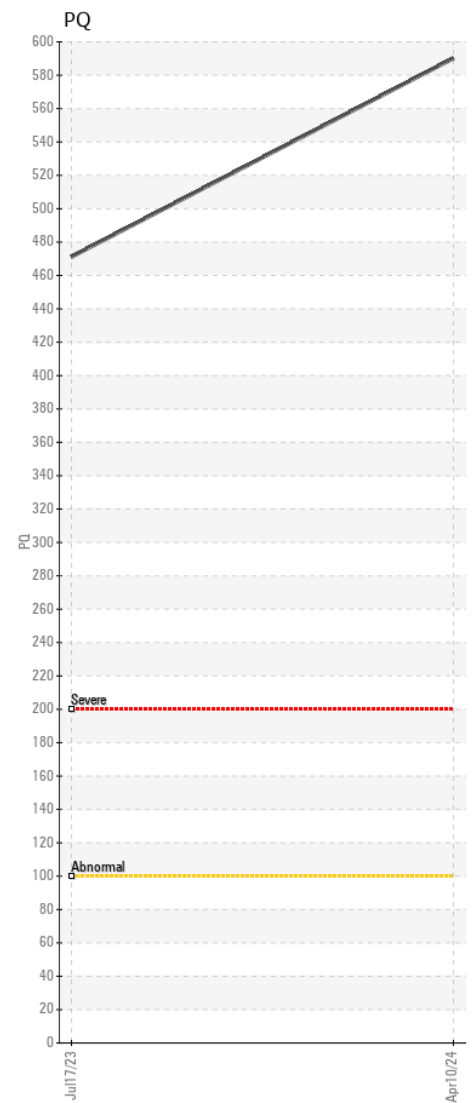
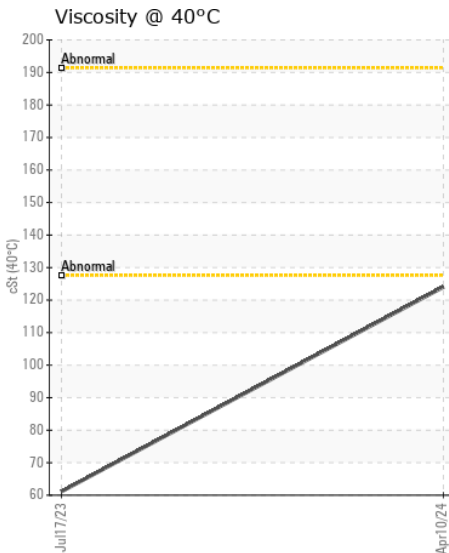
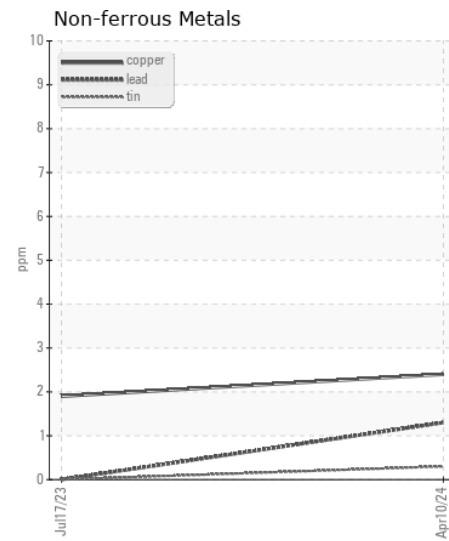
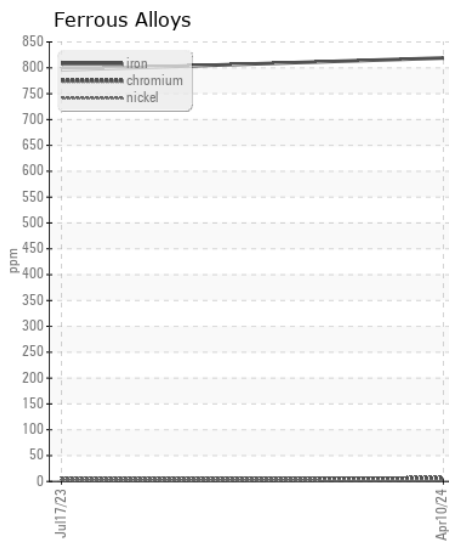
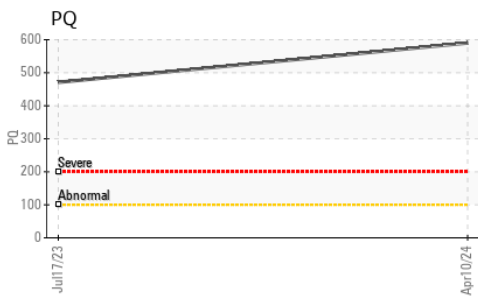
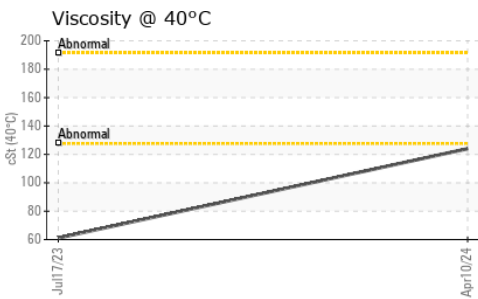
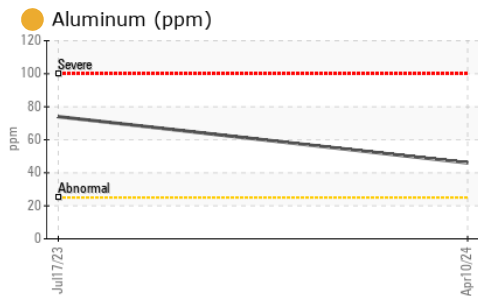
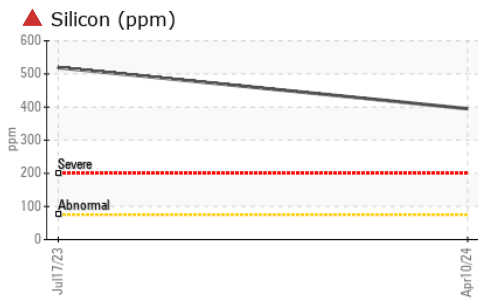
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	395	519	---
Potassium	ppm	ASTM D5185m	>20	19	27	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	MODER	---
Debris	scalar	*Visual	NONE	LIGHT	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---

### FLUID CONDITION

The oil is no longer serviceable due to the presence of contaminants.

Sodium	ppm	ASTM D5185m		5	7	---
Boron	ppm	ASTM D5185m		<1	6	---
Barium	ppm	ASTM D5185m		<1	0	---
Molybdenum	ppm	ASTM D5185m		2	5	---
Manganese	ppm	ASTM D5185m		7	7	---
Magnesium	ppm	ASTM D5185m		11	39	---
Calcium	ppm	ASTM D5185m		161	687	---
Phosphorus	ppm	ASTM D5185m		418	702	---
Zinc	ppm	ASTM D5185m		156	905	---
Sulfur	ppm	ASTM D5185m		20667	2235	---
Visc @ 40°C	cSt	ASTM D445		124	61.1	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0211113 **Received** : 11 Apr 2024  
**Lab Number** : 06146100 **Tested** : 12 Apr 2024  
**Unique Number** : 10976178 **Diagnosed** : 15 Apr 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - MANASSAS PARK**  
 9107 OWENS DRIVE  
 MANASSAS PARK, VA  
 US 20111

Contact: TECHNICIAN ACCOUNT  
 catherine.anastasio@wearcheck.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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