



Area

[05W46987]

Machine Id

JOHN DEERE 350G 1FF350GXHMF815258

Component

Left Final Drive

Fluid

JOHN DEERE GL-5 80W90 (10 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. Please note that this is a corrected copy for laboratory data updates to PQ data.

### WEAR

Gear wear is indicated.

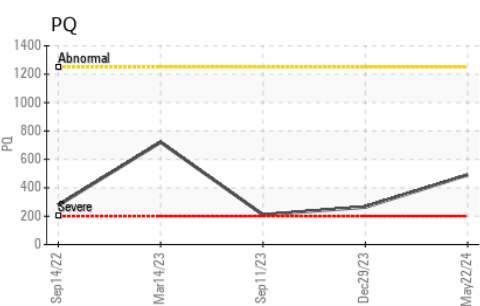
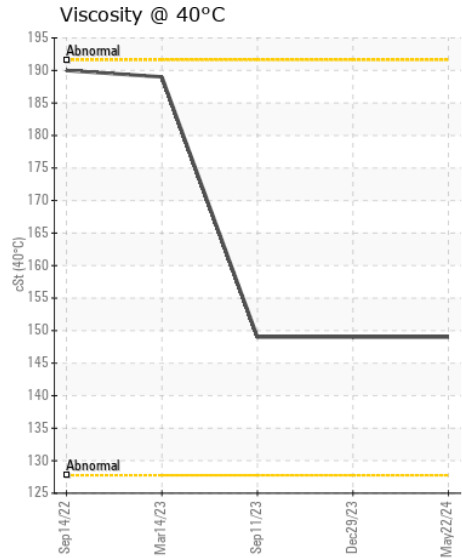
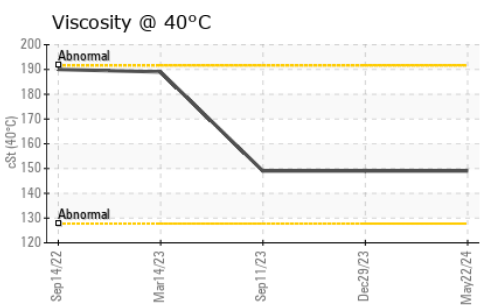
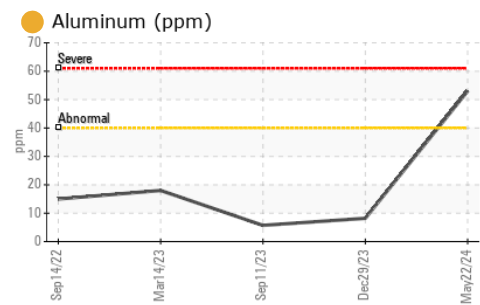
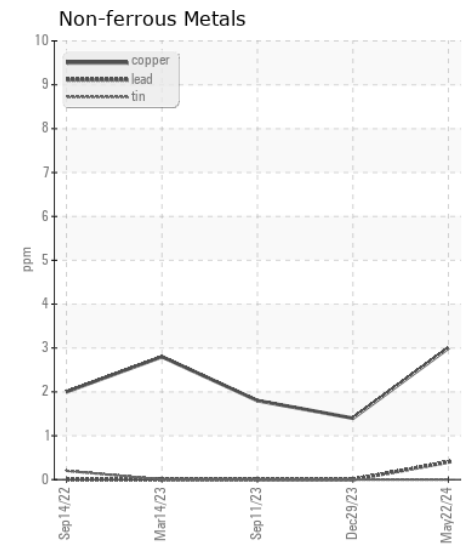
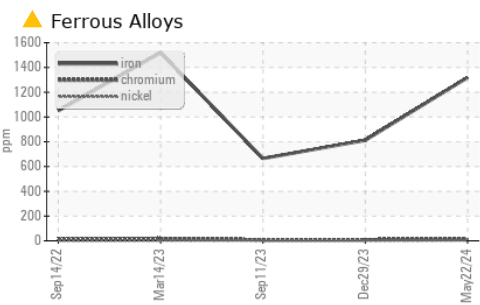
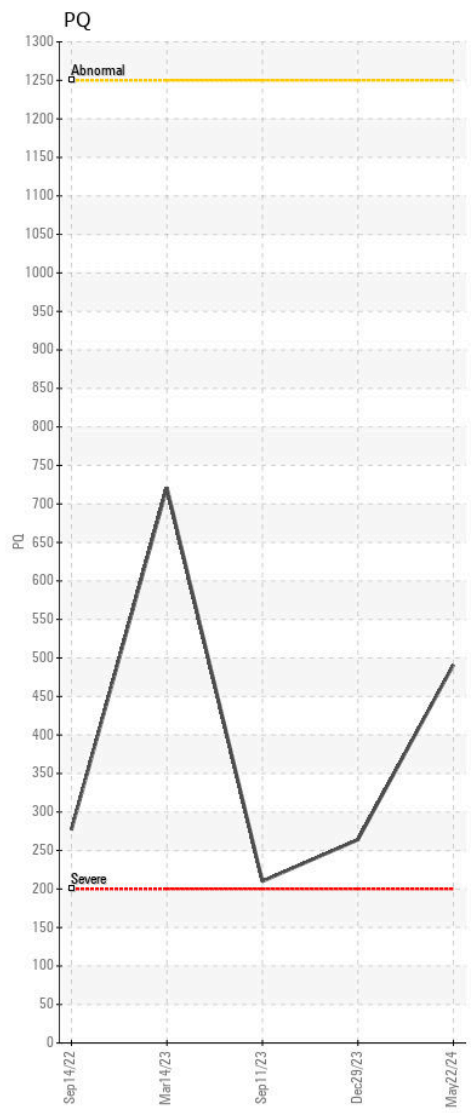
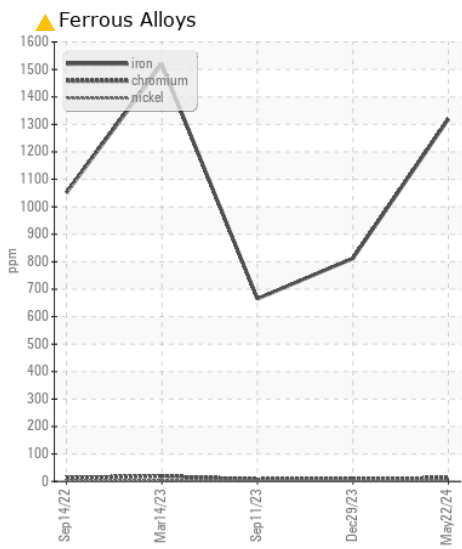
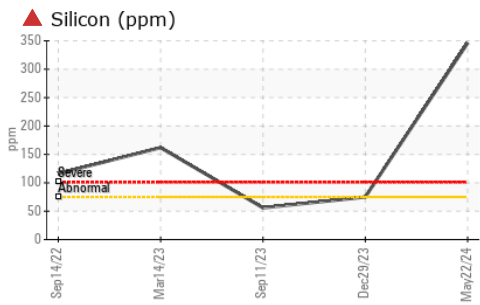
### CONTAMINATION

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

### FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0217912	JR0199043	JR0183987
Sample Date		Client Info		22 May 2024	29 Dec 2023	11 Sep 2023
Machine Age	hrs	Client Info		3457	2941	2438
Oil Age	hrs	Client Info		500	2469	472
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	N/A	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				SEVERE	ABNORMAL	NORMAL
PQ		ASTM D8184	>1250	491	264	210
Iron	ppm	ASTM D5185m	>750	▲ 1319	812	665
Chromium	ppm	ASTM D5185m	>9	▲ 13	9	7
Nickel	ppm	ASTM D5185m	>10	3	1	1
Titanium	ppm	ASTM D5185m		10	2	1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>40	● 53	8	6
Lead	ppm	ASTM D5185m	>15	<1	0	0
Copper	ppm	ASTM D5185m	>40	3	1	2
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	▲ 346	▲ 75	56
Potassium	ppm	ASTM D5185m	>20	10	2	2
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m	>51	0	<1	3
Boron	ppm	ASTM D5185m		101	87	99
Barium	ppm	ASTM D5185m		1	0	<1
Molybdenum	ppm	ASTM D5185m		1	0	0
Manganese	ppm	ASTM D5185m		13	8	7
Magnesium	ppm	ASTM D5185m		4	0	3
Calcium	ppm	ASTM D5185m		17	12	17
Phosphorus	ppm	ASTM D5185m		794	749	727
Zinc	ppm	ASTM D5185m		22	5	28
Sulfur	ppm	ASTM D5185m		21524	18079	20073
Visc @ 40°C	cSt	ASTM D445		149	149	149



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0217912 **Received** : 24 May 2024  
**Lab Number** : 06191268 **Tested** : 31 May 2024  
**Unique Number** : 11048020 **Diagnosed** : 03 Jun 2024 - Jonathan Hester  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - MANASSAS PARK**  
 9107 OWENS DRIVE  
 MANASSAS PARK, VA  
 US 20111  
 Contact: DON VEST  
 dvest@jamesriverequipment.com  
 T: (703)631-8500  
 F: (703)631-4715

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)