



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

Area

**[05W46516]**

Machine Id

**JOHN DEERE 350P 1FF350PALPF000489**

Component

**Left Final Drive**

Fluid

**JOHN DEERE GL-5 80W90 (10 QTS)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0214358</b>	JR0202971	JR0192229
Sample Date		Client Info		<b>10 May 2024</b>	22 Feb 2024	25 Oct 2023
Machine Age	hrs	Client Info		<b>2020</b>	1493	941
Oil Age	hrs	Client Info		<b>2020</b>	1493	941
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>335</b>	284	297
Iron	ppm	ASTM D5185m	>750	<b>453</b>	467	368
Chromium	ppm	ASTM D5185m	>9	<b>6</b>	6	6
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>&lt;1</b>	2	<1
Lead	ppm	ASTM D5185m	>15	<b>0</b>	1	0
Copper	ppm	ASTM D5185m	>40	<b>3</b>	<1	<1
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

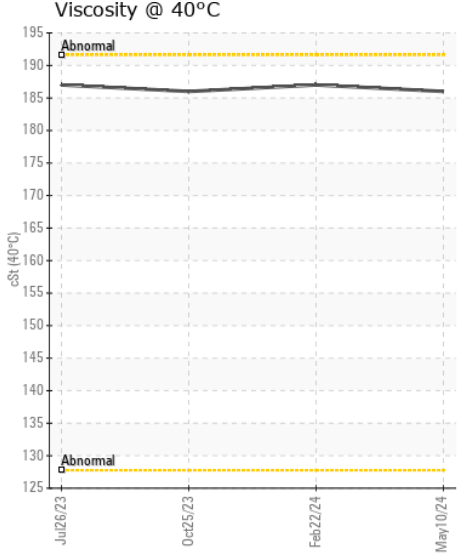
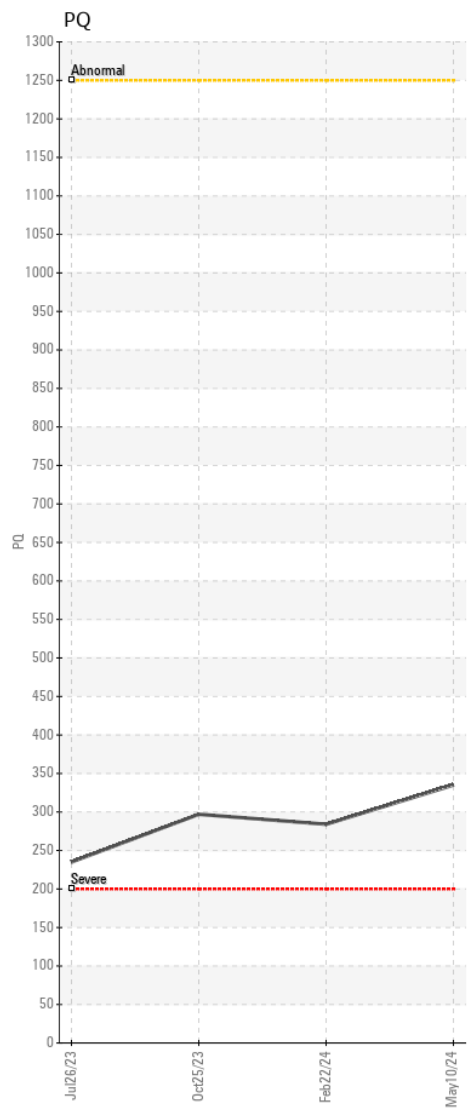
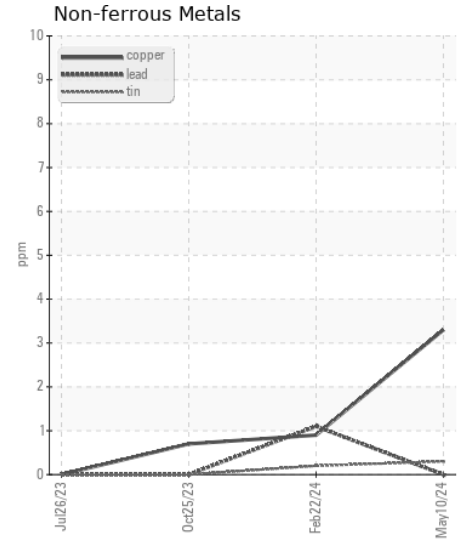
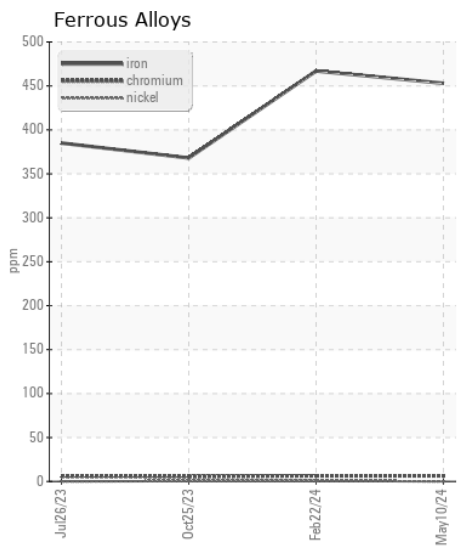
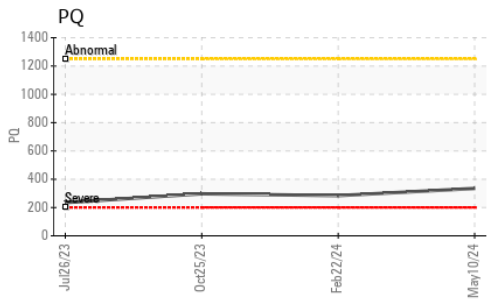
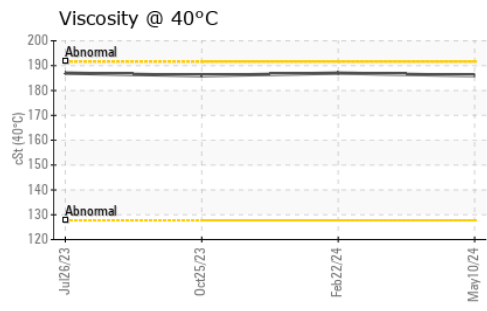
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>16</b>	14	12
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	2	2
Water		WC Method	>0.075	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	LIGHT
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	<b>1</b>	1	0
Boron	ppm	ASTM D5185m		<b>85</b>	86	89
Barium	ppm	ASTM D5185m		<b>0</b>	2	1
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	0
Manganese	ppm	ASTM D5185m		<b>9</b>	9	7
Magnesium	ppm	ASTM D5185m		<b>0</b>	2	1
Calcium	ppm	ASTM D5185m		<b>17</b>	18	23
Phosphorus	ppm	ASTM D5185m		<b>504</b>	534	557
Zinc	ppm	ASTM D5185m		<b>15</b>	25	16
Sulfur	ppm	ASTM D5185m		<b>17111</b>	15874	15349
Visc @ 40°C	cSt	ASTM D445		<b>186</b>	187	186



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0214358 **Received** : 13 May 2024  
**Lab Number** : 06177459 **Tested** : 14 May 2024  
**Unique Number** : 11023512 **Diagnosed** : 15 May 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**B & S SITE DEVELOPMENT**  
 7800 PINEY BRANCH LANE  
 BRISTOW, VA  
 US 20136  
 Contact: DANNY HUFF  
 dhuff@bandssite.com  
 T: (540)270-3203  
 F: (703)753-0605

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)