



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

Machine Id  
**JOHN DEERE 1FF350PAENF000248**  
 Component  
**Swing Drive Gear Case**  
 Fluid  
**JOHN DEERE GL-5 80W90 (14 QTS)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0218320</b>	JR0211280	JR0187714
Sample Date		Client Info		<b>26 Jun 2024</b>	29 Mar 2024	03 Oct 2023
Machine Age	hrs	Client Info		<b>1499</b>	1034	461
Oil Age	hrs	Client Info		<b>465</b>	1034	461
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Chngd</b>	Changed	Not Chngd
Filter Changed		Client Info		<b>None</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>39</b>	72	46
Iron	ppm	ASTM D5185m	>200	<b>57</b>	143	61
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	3	1
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m		<b>&lt;1</b>	2	0
Lead	ppm	ASTM D5185m		<b>0</b>	<1	0
Copper	ppm	ASTM D5185m		<b>1</b>	2	<1
Tin	ppm	ASTM D5185m		<b>0</b>	1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

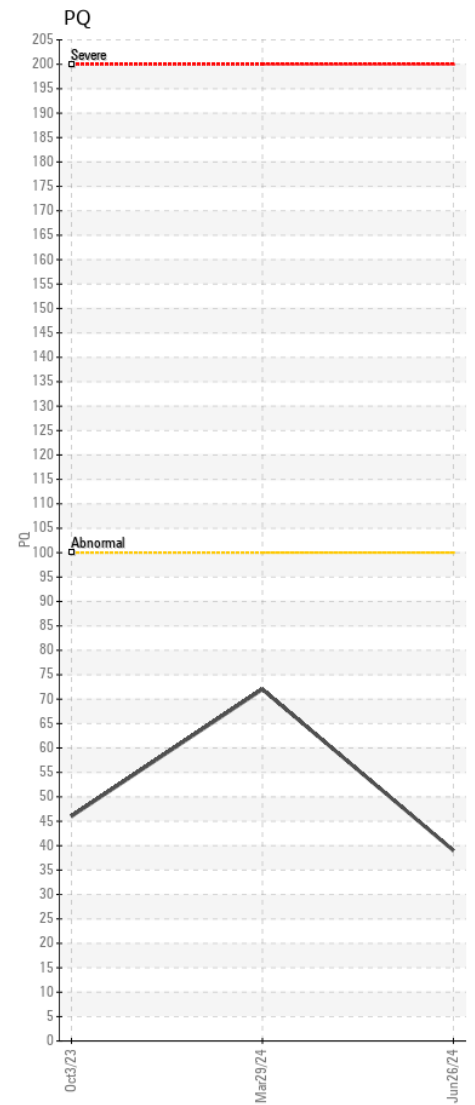
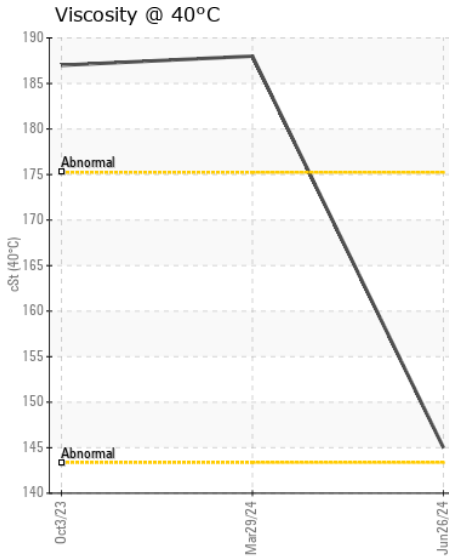
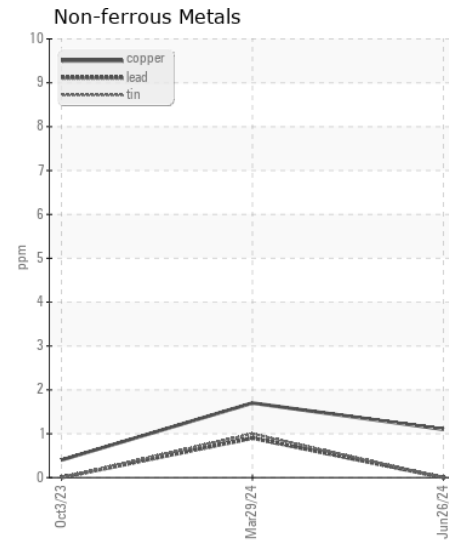
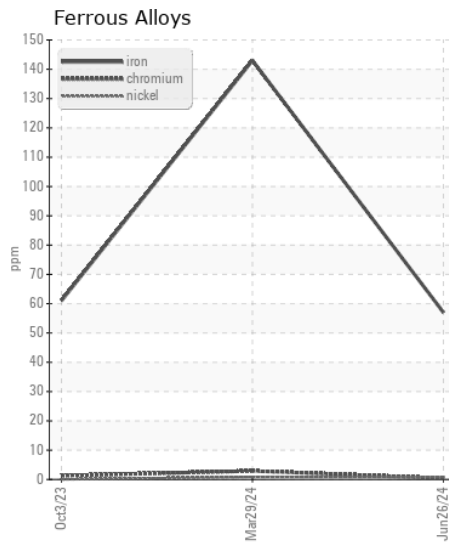
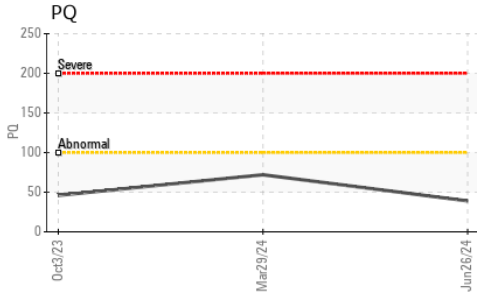
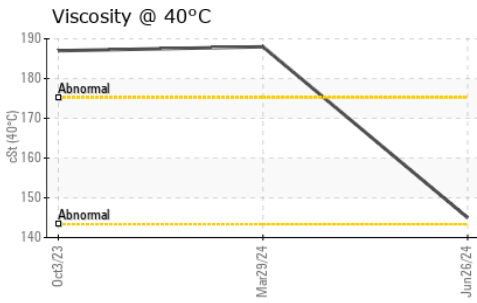
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		<b>10</b>	23	15
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	3	<1
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	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	>0.2	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<b>2</b>	2	<1
Boron	ppm	ASTM D5185m		<b>21</b>	121	87
Barium	ppm	ASTM D5185m		<b>0</b>	2	0
Molybdenum	ppm	ASTM D5185m		<b>2</b>	1	<1
Manganese	ppm	ASTM D5185m		<b>2</b>	4	2
Magnesium	ppm	ASTM D5185m		<b>14</b>	2	<1
Calcium	ppm	ASTM D5185m		<b>26</b>	38	33
Phosphorus	ppm	ASTM D5185m		<b>352</b>	746	517
Zinc	ppm	ASTM D5185m		<b>10</b>	14	11
Sulfur	ppm	ASTM D5185m		<b>21861</b>	25046	17111
Visc @ 40°C	cSt	ASTM D445		<b>145</b>	188	187



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0218320 **Received** : 28 Jun 2024  
**Lab Number** : 06223765 **Tested** : 01 Jul 2024  
**Unique Number** : 11101962 **Diagnosed** : 01 Jul 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**CWS-STRITTMATTER**  
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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)