



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

Area

**[05W47618]**

Machine Id

**JOHN DEERE 135G 1FF135GXHMF502961**

Component

**Right Final Drive**

Fluid

**JOHN DEERE GL-5 80W90 (8 QTS)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0218620</b>	JR0192358	JR0163031
Sample Date		Client Info		<b>19 Jun 2024</b>	03 Nov 2023	20 Mar 2023
Machine Age	hrs	Client Info		<b>6684</b>	4921	2970
Oil Age	hrs	Client Info		<b>1763</b>	3969	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	Changed	Not Changd
Filter Changed		Client Info		<b>N/A</b>	N/A	None
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>30</b>	62	46
Iron	ppm	ASTM D5185m	>750	<b>38</b>	76	48
Chromium	ppm	ASTM D5185m	>9	<b>&lt;1</b>	<1	1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>0</b>	0	<1
Lead	ppm	ASTM D5185m	>15	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>40	<b>0</b>	0	<1
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	MODER	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

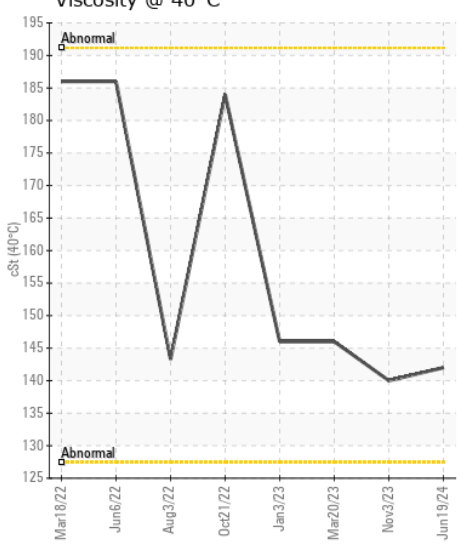
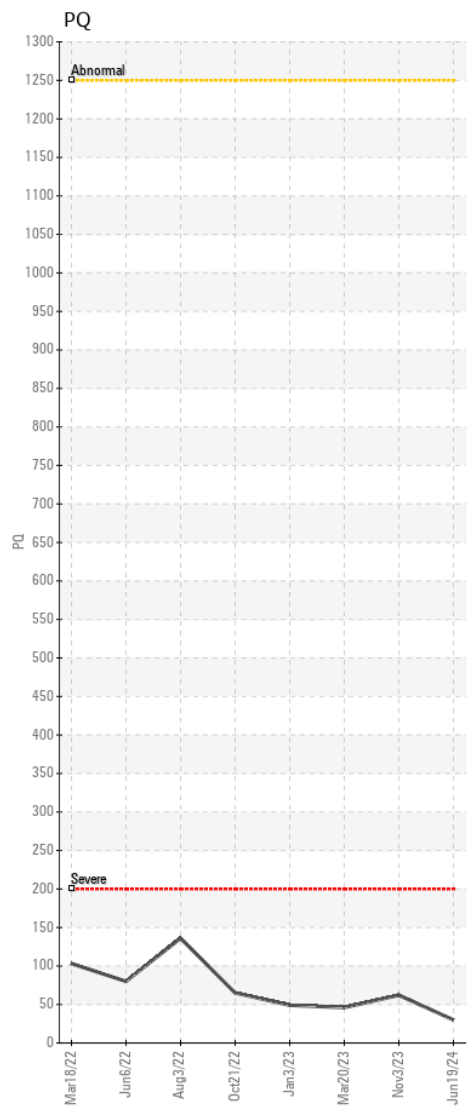
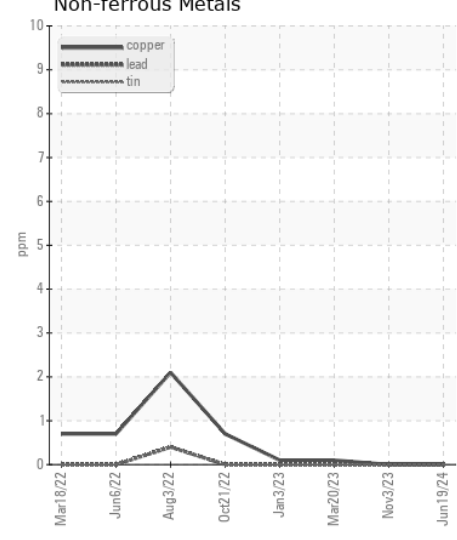
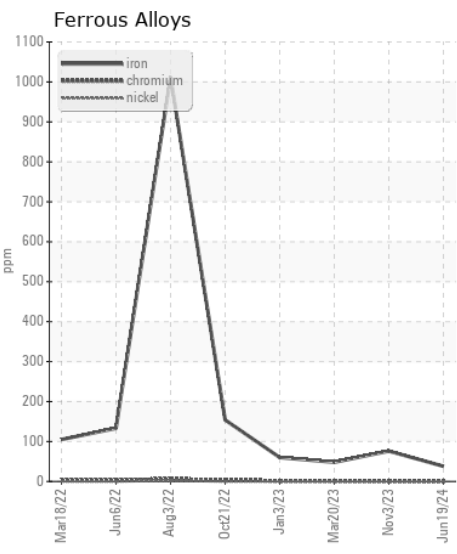
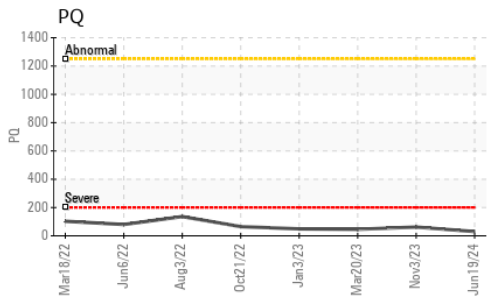
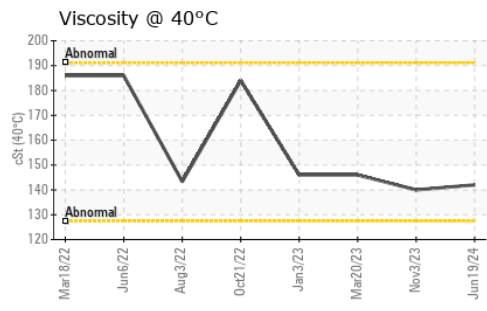
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>4</b>	7	6
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	<1	1
Water		WC Method	>0.075	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
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>&lt;1</b>	1	0
Boron	ppm	ASTM D5185m		<b>13</b>	38	126
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>1</b>	10	4
Calcium	ppm	ASTM D5185m		<b>61</b>	17	23
Phosphorus	ppm	ASTM D5185m		<b>343</b>	490	783
Zinc	ppm	ASTM D5185m		<b>34</b>	26	25
Sulfur	ppm	ASTM D5185m		<b>20924</b>	18236	20225
Visc @ 40°C	cSt	ASTM D445		<b>142</b>	140	146



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0218620 **Received** : 20 Jun 2024  
**Lab Number** : 06216040 **Tested** : 22 Jun 2024  
**Unique Number** : 11088904 **Diagnosed** : 23 Jun 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

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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)