



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

Area  
**[W52592 DE HAWTHORNE]**

Machine Id  
**JOHN DEERE 135GLC 1FF135GXKFE401326**

Component  
**Right Final Drive**

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

### RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0224963</b>	JR0030119	JRMC448286
Sample Date		Client Info		<b>20 Jun 2024</b>	07 May 2020	27 Jun 2018
Machine Age	hrs	Client Info		<b>3940</b>	1984	1239
Oil Age	hrs	Client Info		<b>0</b>	1984	1239
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Not Changd
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>ABNORMAL</b>	NORMAL	NORMAL

### WEAR

Gear wear is indicated.

PQ		ASTM D8184	>1250	<b>44</b>	43	42
Iron	ppm	ASTM D5185m	>750	<b>▲ 608</b>	63	20
Chromium	ppm	ASTM D5185m	>9	<b>6</b>	2	<1
Nickel	ppm	ASTM D5185m	>10	<b>3</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>1</b>	<1	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>40	<b>12</b>	2	<1
Lead	ppm	ASTM D5185m	>15	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m	>40	<b>1</b>	<1	<1
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	LIGHT
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

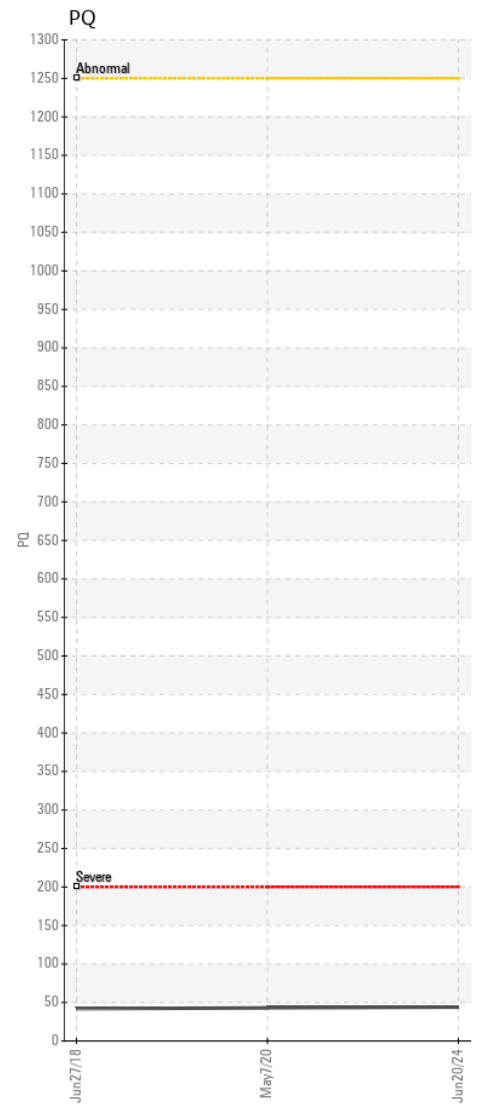
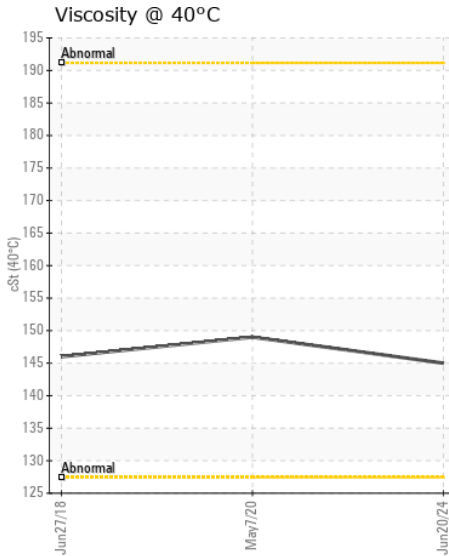
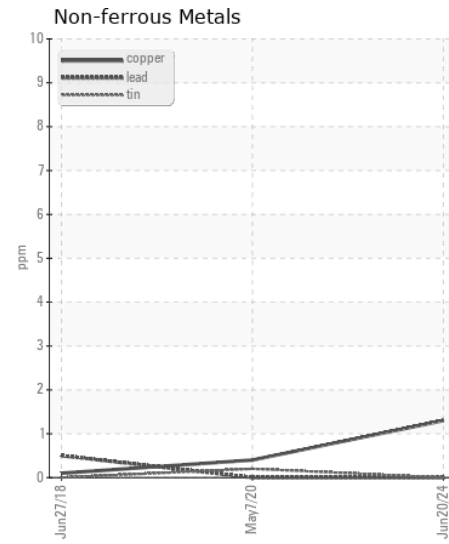
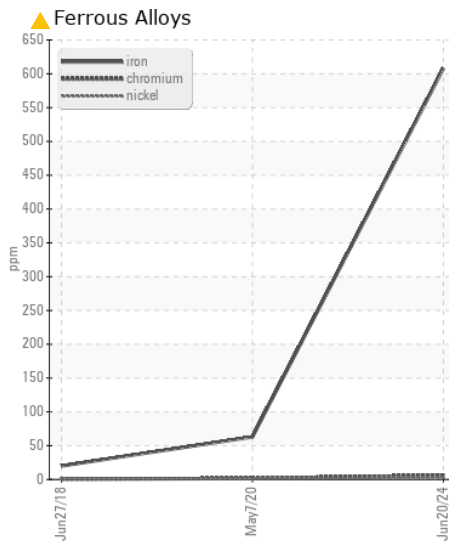
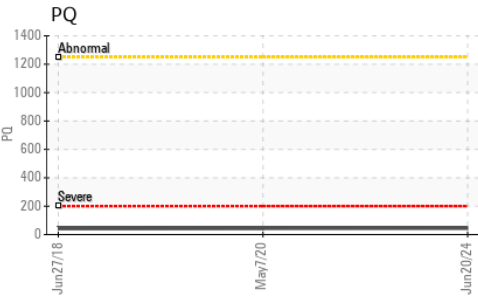
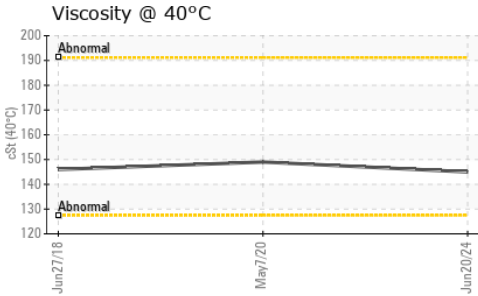
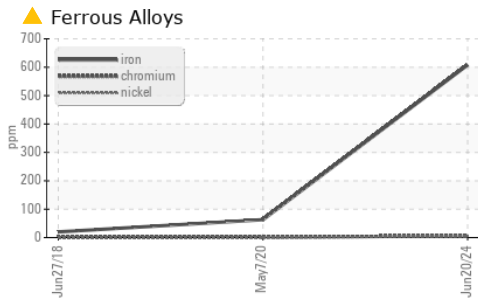
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>62</b>	17	6
Potassium	ppm	ASTM D5185m	>20	<b>8</b>	<1	3
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>2</b>	1	2
Boron	ppm	ASTM D5185m		<b>30</b>	208	202
Barium	ppm	ASTM D5185m		<b>1</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>9</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>8</b>	1	1
Magnesium	ppm	ASTM D5185m		<b>28</b>	2	0
Calcium	ppm	ASTM D5185m		<b>45</b>	4	34
Phosphorus	ppm	ASTM D5185m		<b>1233</b>	918	879
Zinc	ppm	ASTM D5185m		<b>55</b>	24	19
Sulfur	ppm	ASTM D5185m		<b>22463</b>	20360	17584
Visc @ 40°C	cSt	ASTM D445		<b>145</b>	149	146.0



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0224963 **Received** : 27 Jun 2024  
**Lab Number** : 06222562 **Tested** : 01 Jul 2024  
**Unique Number** : 11100759 **Diagnosed** : 01 Jul 2024 - Jonathan Hester  
**Test Package** : CONST ( Additional Tests: PQ )

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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