



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

Machine Id  
**JOHN DEERE 4830 1N0483DXJA0013296**  
 Component  
**Front Right Final Drive**  
 Fluid  
**JOHN DEERE GL-5 85W140LS (2 QTS)**

### RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0216888</b>	JR0117869	JRMC412434
Sample Date		Client Info		<b>13 Jun 2024</b>	24 May 2022	02 Feb 2017
Machine Age	hrs	Client Info		<b>5607</b>	0	3986
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changd</b>	N/A	Changed
Filter Changed		Client Info		<b>Not Changd</b>	N/A	N/A
Sample Status				<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

### WEAR

The copper level is abnormal. All other component wear rates are normal.

PQ		ASTM D8184	>1250	<b>107</b>	116	50
Iron	ppm	ASTM D5185m	>750	<b>334</b>	267	460
Chromium	ppm	ASTM D5185m	>9	<b>5</b>	4	6
Nickel	ppm	ASTM D5185m	>10	<b>2</b>	1	1
Titanium	ppm	ASTM D5185m		<b>1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m	>40	<b>4</b>	4	4
Lead	ppm	ASTM D5185m	>15	<b>0</b>	<1	2
Copper	ppm	ASTM D5185m	>40	<b>▲ 89</b>	▲ 76	▲ 172
Tin	ppm	ASTM D5185m	>10	<b>3</b>	3	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>LIGHT</b>	VLITE	HEAVY
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

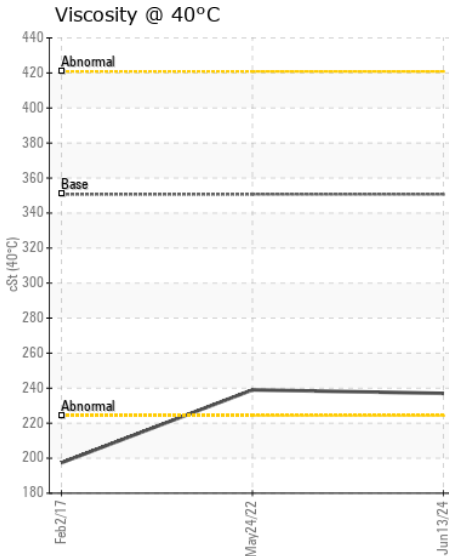
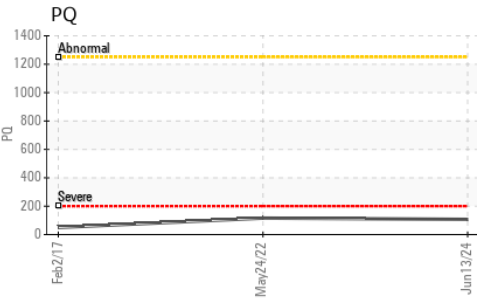
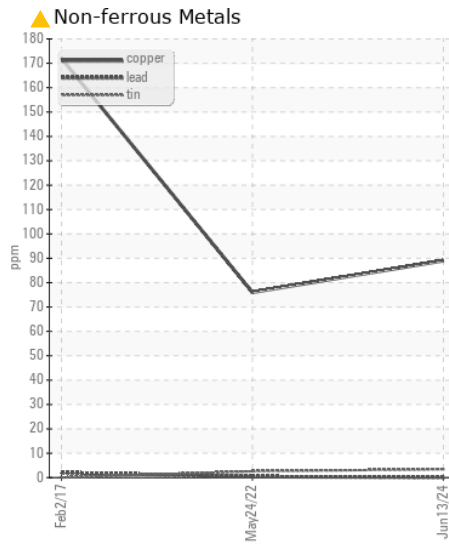
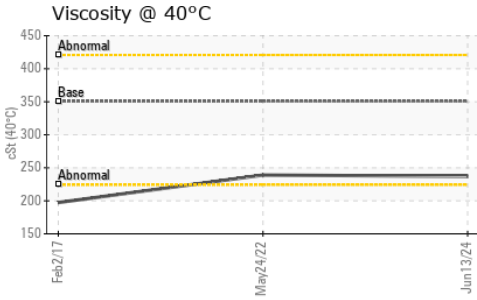
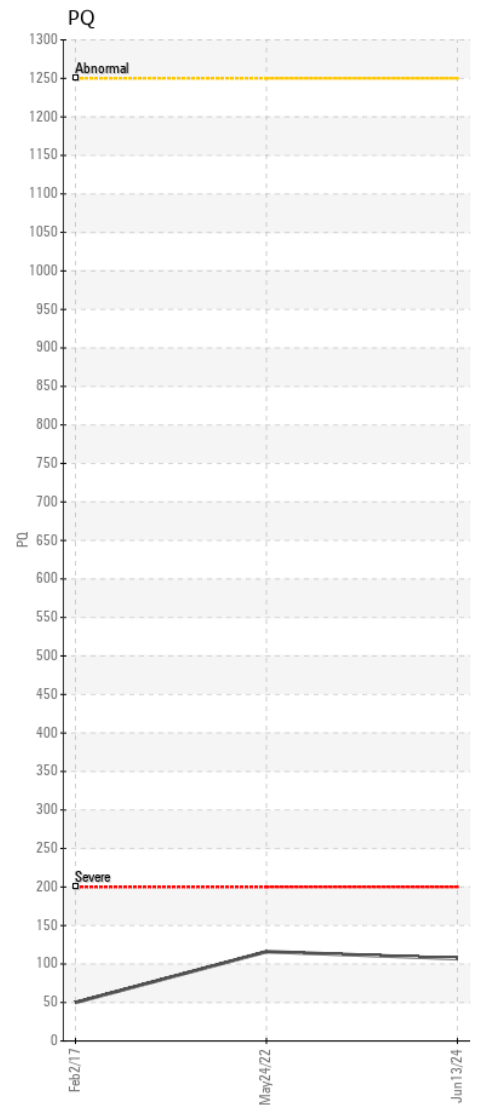
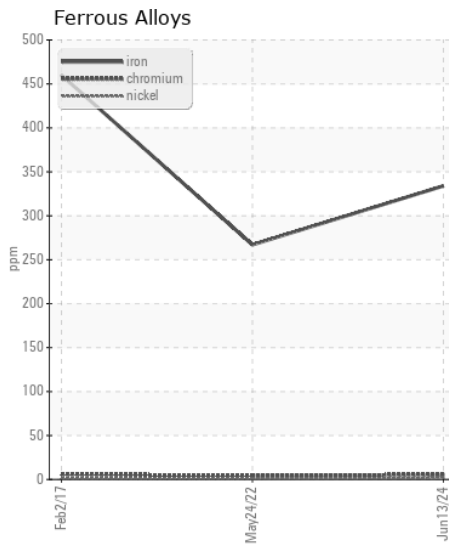
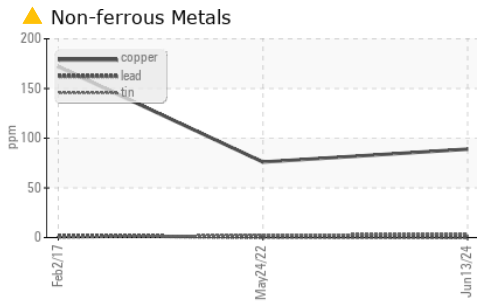
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>13</b>	11	16
Potassium	ppm	ASTM D5185m	>20	<b>5</b>	2	14
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>22</b>	17	25
Boron	ppm	ASTM D5185m		<b>131</b>	160	58
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	0	4
Molybdenum	ppm	ASTM D5185m		<b>2</b>	4	6
Manganese	ppm	ASTM D5185m		<b>6</b>	4	5
Magnesium	ppm	ASTM D5185m		<b>176</b>	214	7
Calcium	ppm	ASTM D5185m		<b>75</b>	57	113
Phosphorus	ppm	ASTM D5185m		<b>936</b>	917	968
Zinc	ppm	ASTM D5185m		<b>51</b>	39	114
Sulfur	ppm	ASTM D5185m		<b>18165</b>	13677	19952
Visc @ 40°C	cSt	ASTM D445	350.7	<b>237</b>	239	197.4



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0216888 **Received** : 17 Jun 2024  
**Lab Number** : 06212038 **Tested** : 18 Jun 2024  
**Unique Number** : 11084902 **Diagnosed** : 19 Jun 2024 - Angela Borella  
**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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