



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

Machine Id  
**JOHN DEERE 333G 1T0333GMEMF392598**  
 Component  
**Left Final Drive**  
 Fluid  
**JOHN DEERE GL-5 80W90 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0219259</b>	JR0124866	JR0089358
Sample Date		Client Info		<b>15 Jul 2024</b>	22 Apr 2022	09 Jul 2021
Machine Age	hrs	Client Info		<b>1145</b>	926	475
Oil Age	hrs	Client Info		<b>219</b>	926	0
Filter Age	hrs	Client Info		<b>219</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	Changed	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>ATTENTION</b>	ABNORMAL	ABNORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>34</b>	58	193
Iron	ppm	ASTM D5185m	>750	<b>38</b>	▲ 1091	▲ 1115
Chromium	ppm	ASTM D5185m	>9	<b>&lt;1</b>	13	▲ 15
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	7	8
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	3	3
Silver	ppm	ASTM D5185m		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m	>40	<b>2</b>	● 35	● 27
Lead	ppm	ASTM D5185m	>15	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m	>40	<b>0</b>	2	2
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

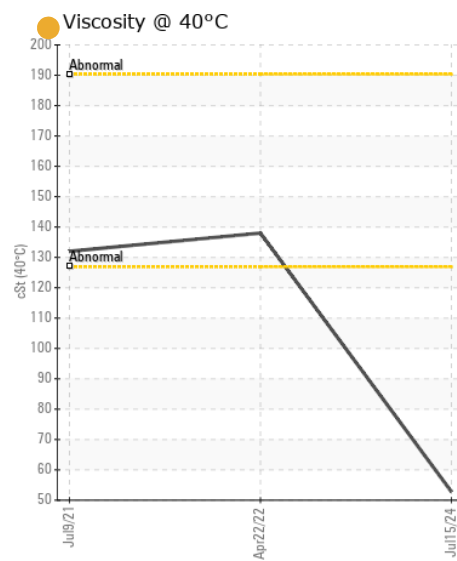
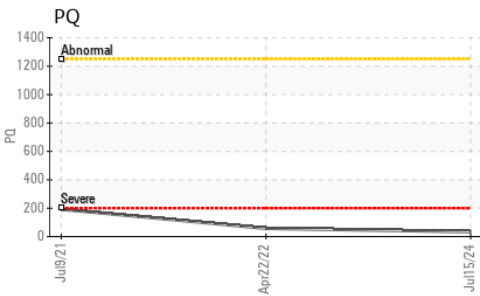
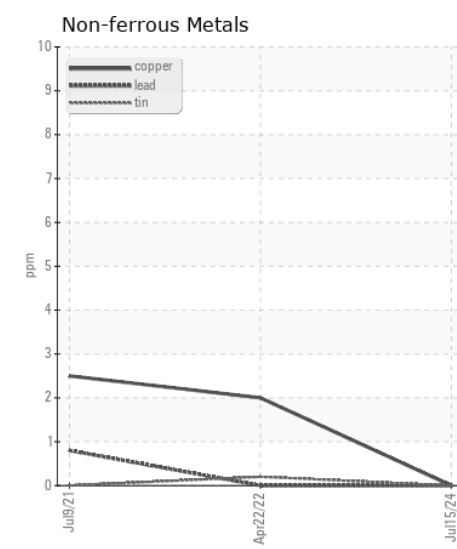
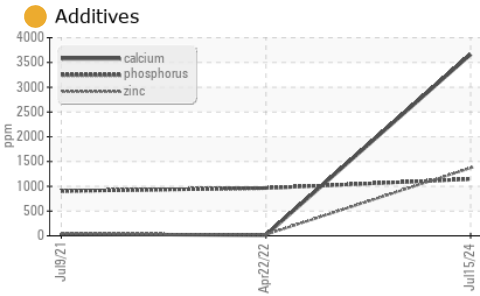
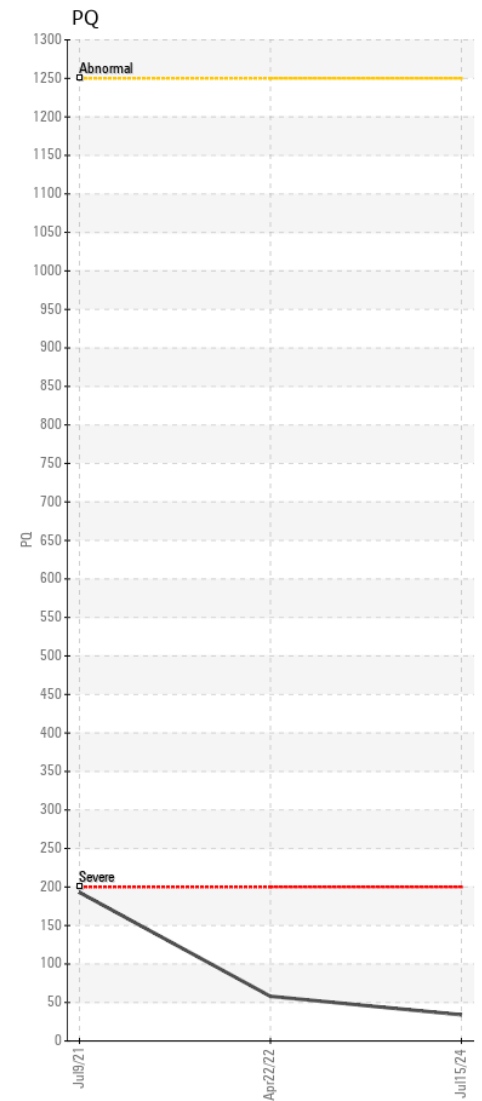
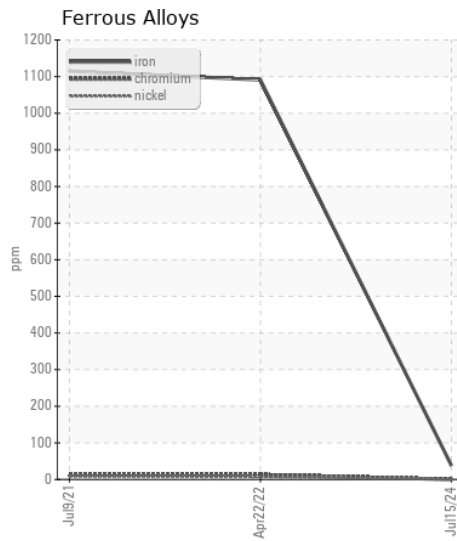
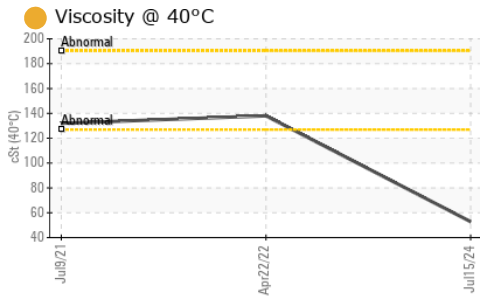
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>7</b>	▲ 127	▲ 103
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	9	21
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 oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Sodium	ppm	ASTM D5185m	>51	<b>&lt;1</b>	7	13
Boron	ppm	ASTM D5185m		● <b>&lt;1</b>	93	116
Barium	ppm	ASTM D5185m		<b>0</b>	22	80
Molybdenum	ppm	ASTM D5185m		<b>0</b>	2	3
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	11	14
Magnesium	ppm	ASTM D5185m		● <b>126</b>	5	13
Calcium	ppm	ASTM D5185m		● <b>3662</b>	13	36
Phosphorus	ppm	ASTM D5185m		● <b>1146</b>	964	904
Zinc	ppm	ASTM D5185m		● <b>1371</b>	26	45
Sulfur	ppm	ASTM D5185m		● <b>4525</b>	22169	22530
Visc @ 40°C	cSt	ASTM D445		● <b>52.8</b>	138	132



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0219259 **Received** : 17 Jul 2024  
**Lab Number** : 06239422 **Tested** : 18 Jul 2024  
**Unique Number** : 11128256 **Diagnosed** : 19 Jul 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

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Certificate L2367  
 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)