



# OIL ANALYSIS REPORT

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

Area  
**Store 9 - Marietta [145653]**

Machine Id  
**935300190**

Component  
**Right Final Drive**

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

## RECOMMENDATION

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

## WEAR

Bearing and/or bushing wear is indicated.

## CONTAMINATION

There is no indication of any contamination in the oil.

## FLUID CONDITION

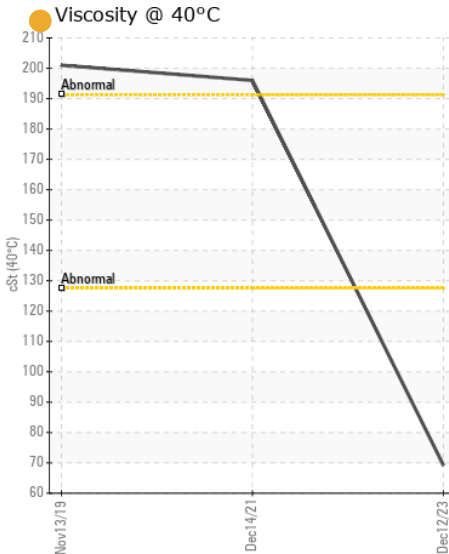
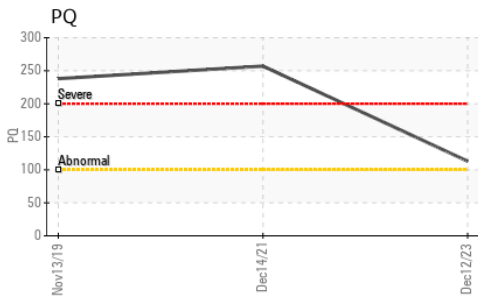
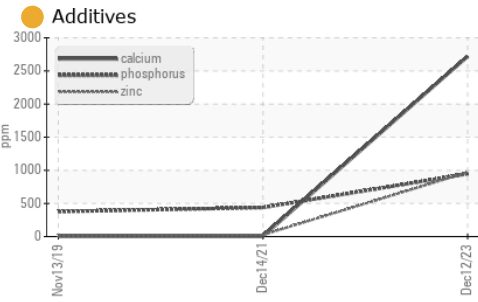
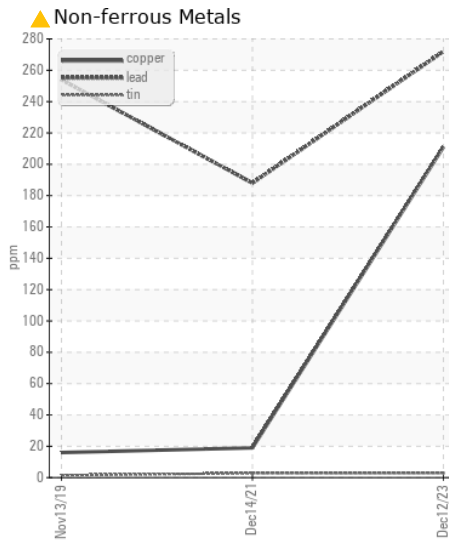
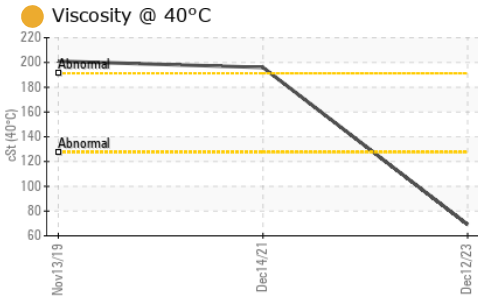
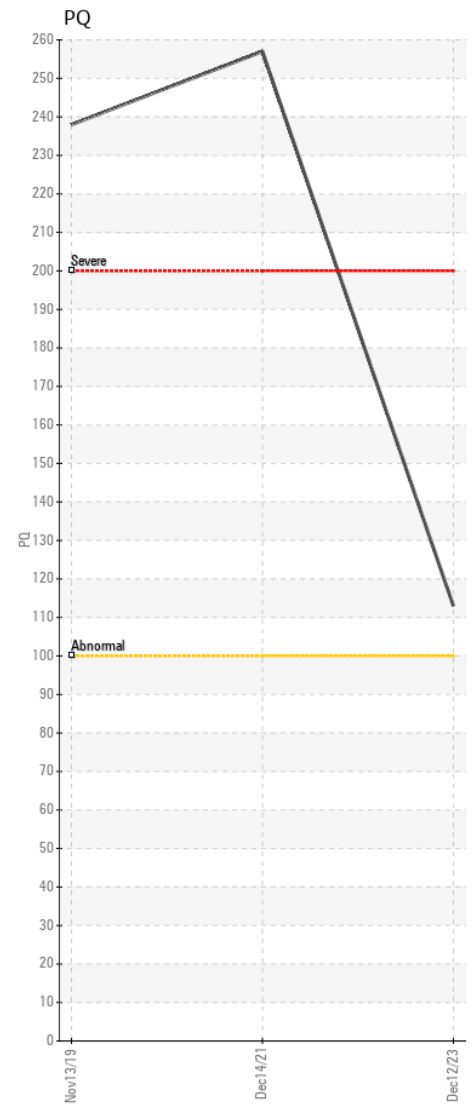
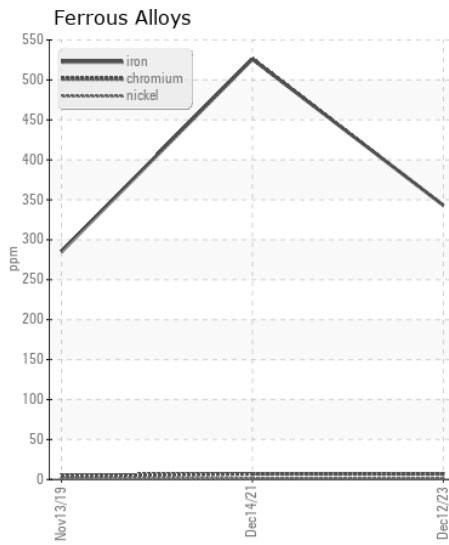
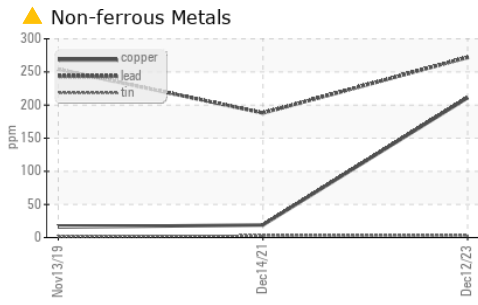
The oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0043011</b>	LEC0026828	LEC0003991
Sample Date		Client Info		<b>12 Dec 2023</b>	14 Dec 2021	13 Nov 2019
Machine Age	hrs	Client Info		<b>1307</b>	906	351
Oil Age	hrs	Client Info		<b>401</b>	906	351
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	None
Sample Status				<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

PQ		ASTM D8184		<b>113</b>	257	238
Iron	ppm	ASTM D5185m	>500	<b>343</b>	526	285
Chromium	ppm	ASTM D5185m	>10	<b>7</b>	7	5
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	2	<1
Lead	ppm	ASTM D5185m	>25	<b>▲ 272</b>	▲ 188	▲ 254
Copper	ppm	ASTM D5185m	>50	<b>▲ 211</b>	19	16
Tin	ppm	ASTM D5185m	>10	<b>3</b>	3	2
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

Silicon	ppm	ASTM D5185m	>75	<b>11</b>	6	2
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	1	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>	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	>0.2	<b>NEG</b>	NEG	NEG

Sodium	ppm	ASTM D5185m		<b>5</b>	9	8
Boron	ppm	ASTM D5185m		<b>● 20</b>	15	7
Barium	ppm	ASTM D5185m		<b>● 63</b>	49	62
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	0
Manganese	ppm	ASTM D5185m		<b>3</b>	6	4
Magnesium	ppm	ASTM D5185m		<b>● 89</b>	4	0
Calcium	ppm	ASTM D5185m		<b>● 2719</b>	4	5
Phosphorus	ppm	ASTM D5185m		<b>● 946</b>	437	377
Zinc	ppm	ASTM D5185m		<b>● 970</b>	26	13
Sulfur	ppm	ASTM D5185m		<b>● 4032</b>	4996	2238
Visc @ 40°C	cSt	ASTM D445		<b>● 69.2</b>	196	201



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0043011 **Received** : 14 Dec 2023  
**Lab Number** : 06034876 **Tested** : 15 Dec 2023  
**Unique Number** : 10790105 **Diagnosed** : 18 Dec 2023 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**LESLIE EQUIPMENT COMPANY**  
 105 TENNIS CENTER DR.  
 MARIETTA, OH  
 US 45750-9765  
 Contact: LEANNE KENDALL  
 KendalLeanne@lec1.com

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)

T: (740)373-5570