



# OIL ANALYSIS REPORT

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

## Store 9 - Marietta

Machine Id  
**JOHN DEERE 250G EX39 (S/N 1FF250GXPNF611949)**

Component  
**Swing Drive**

Fluid  
**GEAR OIL SAE 90 (2 GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0048948</b>	LEC0047740	LEC0043826
Sample Date		Client Info		<b>21 May 2024</b>	15 Dec 2023	16 Aug 2023
Machine Age	hrs	Client Info		<b>2973</b>	2457	1906
Oil Age	hrs	Client Info		<b>500</b>	1000	500
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Chngd</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	None
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>122</b>	17	112
Iron	ppm	ASTM D5185m	>151	<b>186</b>	60	159
Chromium	ppm	ASTM D5185m	>11	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>21	<b>0</b>	1	<1
Lead	ppm	ASTM D5185m	>51	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>51	<b>0</b>	<1	<1
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

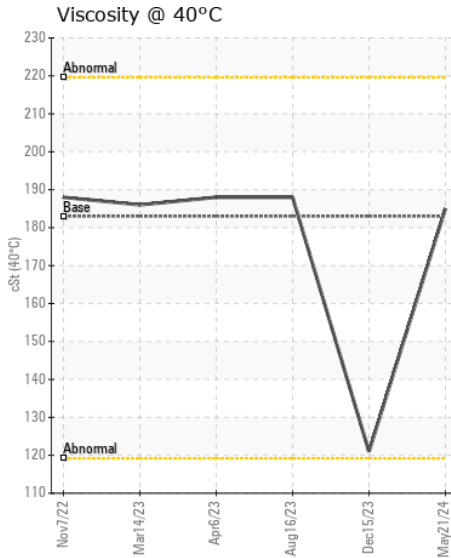
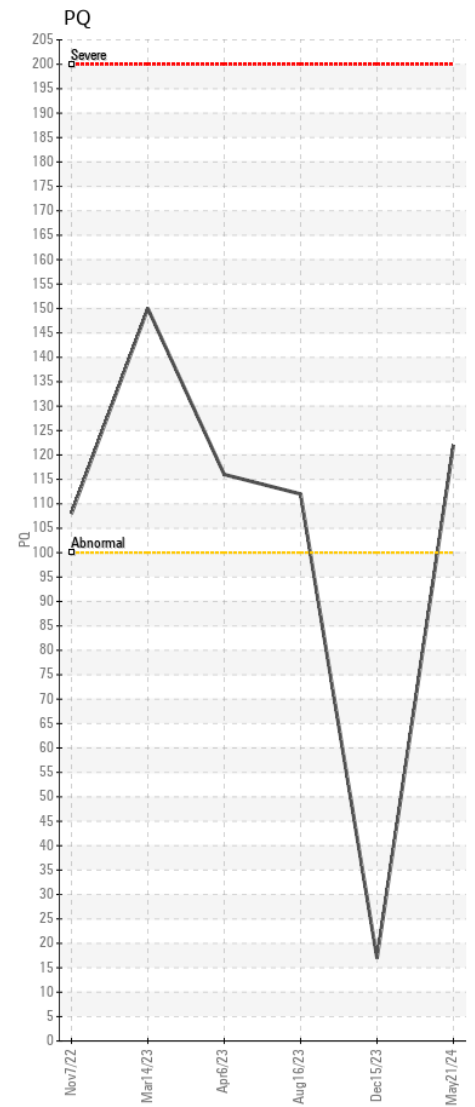
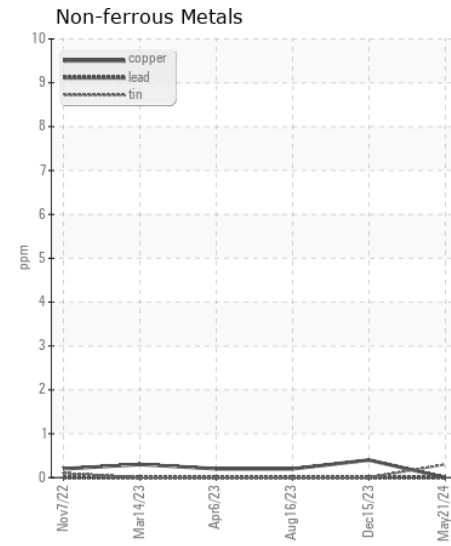
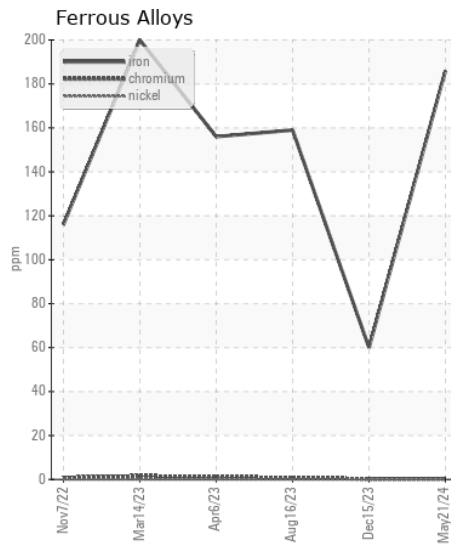
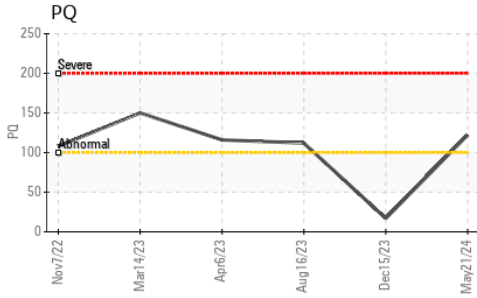
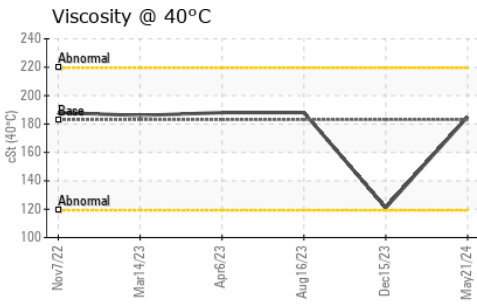
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	<b>25</b>	9	23
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	<1	<1
Water		WC Method	>0.1	<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	>0.1	<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>3</b>	1	2
Boron	ppm	ASTM D5185m	400	<b>102</b>	101	85
Barium	ppm	ASTM D5185m	200	<b>3</b>	0	0
Molybdenum	ppm	ASTM D5185m	12	<b>3</b>	16	<1
Manganese	ppm	ASTM D5185m		<b>2</b>	<1	2
Magnesium	ppm	ASTM D5185m	12	<b>2</b>	2	0
Calcium	ppm	ASTM D5185m	150	<b>25</b>	656	29
Phosphorus	ppm	ASTM D5185m	1650	<b>593</b>	920	519
Zinc	ppm	ASTM D5185m	125	<b>5</b>	223	0
Sulfur	ppm	ASTM D5185m	22500	<b>18845</b>	15567	17918
Visc @ 40°C	cSt	ASTM D445	183	<b>185</b>	121	188



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0048948 **Received** : 31 May 2024  
**Lab Number** : 06197007 **Tested** : 04 Jun 2024  
**Unique Number** : 11059130 **Diagnosed** : 04 Jun 2024 - Sean Felton  
**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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