



# OIL ANALYSIS REPORT

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



Area  
**[136372]**  
 Machine Id  
**JOHN DEERE 250GLC 1FF250GXLNF611863**  
 Component  
**Swing Drive**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (2 GAL)**

## 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>LEC0036981</b>	LEC0033040	---
Sample Date		Client Info		<b>14 Feb 2023</b>	12 Oct 2022	---
Machine Age	hrs	Client Info		<b>987</b>	497	---
Oil Age	hrs	Client Info		<b>987</b>	497	---
Filter Age	hrs	Client Info		<b>0</b>	497	---
Oil Changed		Client Info		<b>Changed</b>	Not Changd	---
Filter Changed		Client Info		<b>Not Changd</b>	Not Changd	---
Sample Status				<b>ATTENTION</b>	ATTENTION	---

## WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>15</b>	7	---
Iron	ppm	ASTM D5185m	>151	<b>6</b>	<1	---
Chromium	ppm	ASTM D5185m	>11	<b>&lt;1</b>	0	---
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185m	>21	<b>0</b>	0	---
Lead	ppm	ASTM D5185m	>51	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185m	>51	<b>&lt;1</b>	0	---
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

## CONTAMINATION

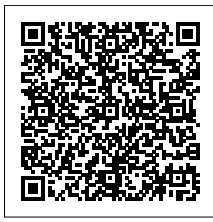
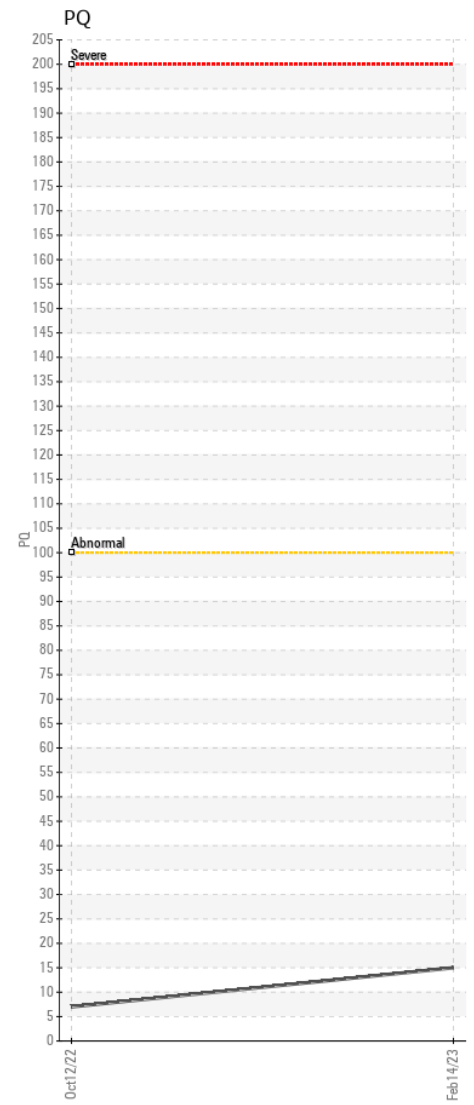
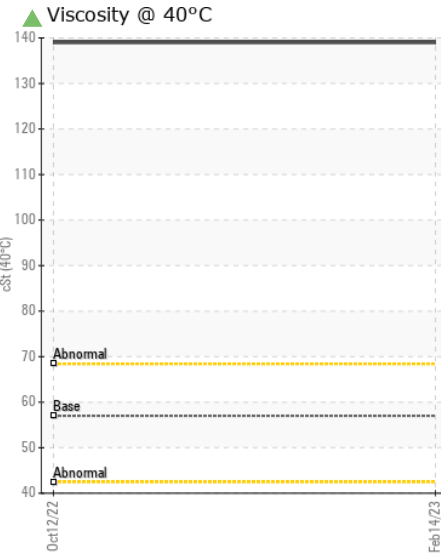
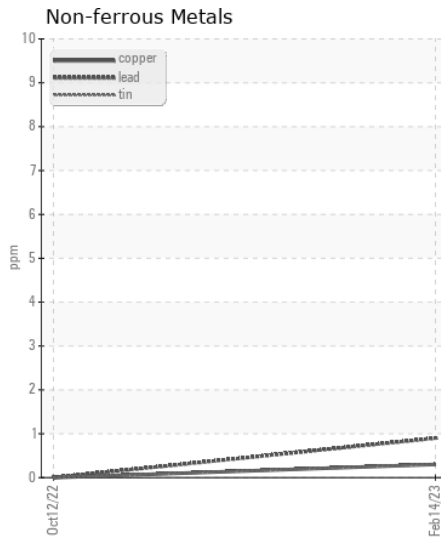
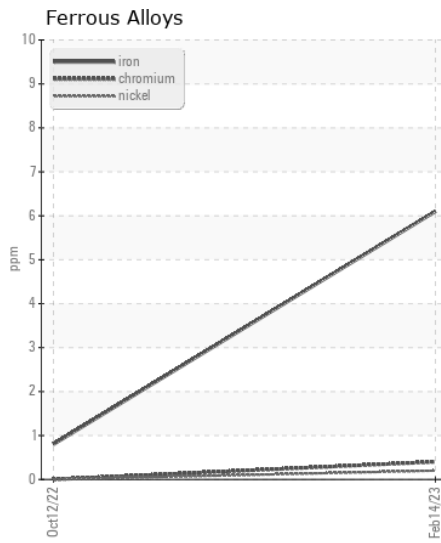
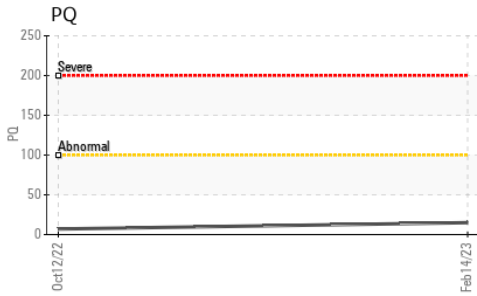
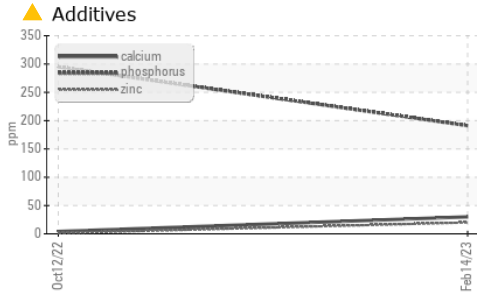
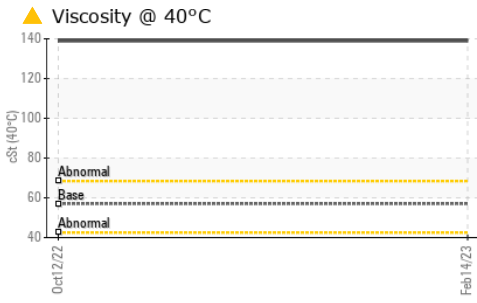
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	<b>2</b>	<1	---
Potassium	ppm	ASTM D5185m	>20	<b>10</b>	0	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	---

## FLUID CONDITION

The oil viscosity is higher than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.

Sodium	ppm	ASTM D5185m	>51	<b>2</b>	0	---
Boron	ppm	ASTM D5185m	6	<b>0</b>	0	---
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Magnesium	ppm	ASTM D5185m	145	<b>▲ 6</b>	▲ 0	---
Calcium	ppm	ASTM D5185m	3570	<b>▲ 30</b>	▲ 4	---
Phosphorus	ppm	ASTM D5185m	1290	<b>▲ 191</b>	▲ 295	---
Zinc	ppm	ASTM D5185m	1640	<b>▲ 20</b>	▲ 1	---
Sulfur	ppm	ASTM D5185m		<b>▲ 10231</b>	▲ 20057	---
Visc @ 40°C	cSt	ASTM D445	57.0	<b>▲ 139</b>	▲ 139	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0036981 **Received** : 17 Feb 2023  
**Lab Number** : **05770977** **Tested** : 20 Feb 2023  
**Unique Number** : 10345594 **Diagnosed** : 20 Feb 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) F: (740)373-5570