



# OIL ANALYSIS REPORT

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



Area  
**Store 8 - Pikeville [138639]**  
Machine Id  
**JOHN DEERE 250G 1FF250GXALF611602**  
Component  
**Swing Drive**  
Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (2 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0040194</b>	LEC0037016	LEC0032807
Sample Date		Client Info		<b>03 May 2023</b>	18 Nov 2022	05 Jul 2022
Machine Age	hrs	Client Info		<b>2210</b>	1682	1104
Oil Age	hrs	Client Info		<b>1106</b>	1682	1104
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Not Changd</b>	None	Not Changd
Sample Status				<b>NORMAL</b>	ATTENTION	NORMAL

## WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>49</b>	37	59
Iron	ppm	ASTM D5185m	>151	<b>72</b>	62	115
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>	0	<1
Tin	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

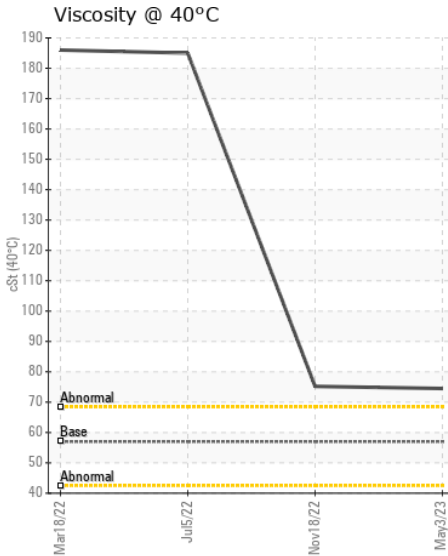
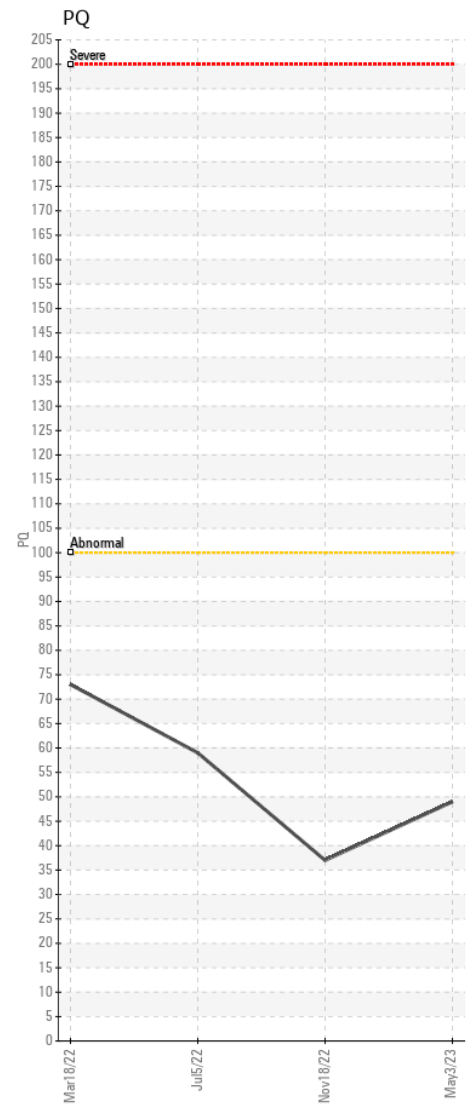
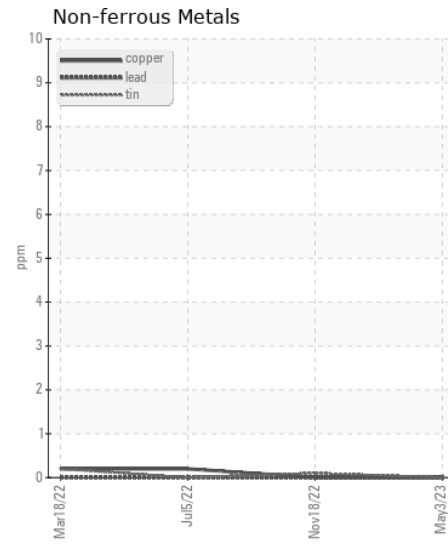
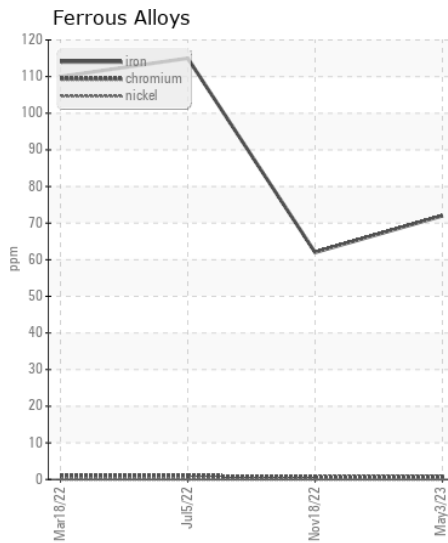
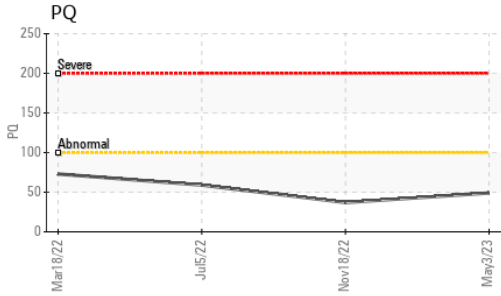
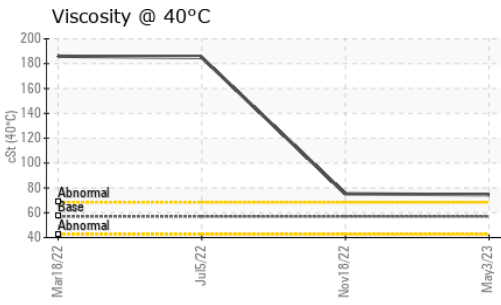
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	<b>16</b>	14	19
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	0	<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>1</b>	<1	2
Boron	ppm	ASTM D5185m	6	<b>68</b>	69	58
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	1
Molybdenum	ppm	ASTM D5185m	0	<b>10</b>	10	0
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	2
Magnesium	ppm	ASTM D5185m	145	<b>107</b>	110	0
Calcium	ppm	ASTM D5185m	3570	<b>2475</b>	2485	23
Phosphorus	ppm	ASTM D5185m	1290	<b>884</b>	859	481
Zinc	ppm	ASTM D5185m	1640	<b>1007</b>	988	11
Sulfur	ppm	ASTM D5185m		<b>5452</b>	6222	15788
Visc @ 40°C	cSt	ASTM D445	57.0	<b>74.5</b>	▲ 75.2	185



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0040194 **Received** : 05 May 2023  
**Lab Number** : 05839454 **Diagnosed** : 09 May 2023  
**Unique Number** : 10458257 **Diagnostician** : Don Baldrige  
**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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