



# OIL ANALYSIS REPORT

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



Area  
**Store 4 - Fairmont**  
Machine Id  
**JOHN DEERE 350G 1FF350GXAKF814122**  
Component  
**Pump Drive**  
Fluid  
**JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (1 QTS)**

## RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0047851</b>	LEC0041050	LEC0034295
Sample Date		Client Info		<b>23 Feb 2024</b>	29 Jun 2023	02 Nov 2022
Machine Age	hrs	Client Info		<b>2136</b>	1519	929
Oil Age	hrs	Client Info		<b>1207</b>	590	929
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

## WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>19</b>	18	9
Iron	ppm	ASTM D5185m	>151	<b>100</b>	85	64
Chromium	ppm	ASTM D5185m	>11	<b>3</b>	3	2
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>21	<b>2</b>	<1	1
Lead	ppm	ASTM D5185m	>51	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>51	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185m	>4	<b>0</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	MODER	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

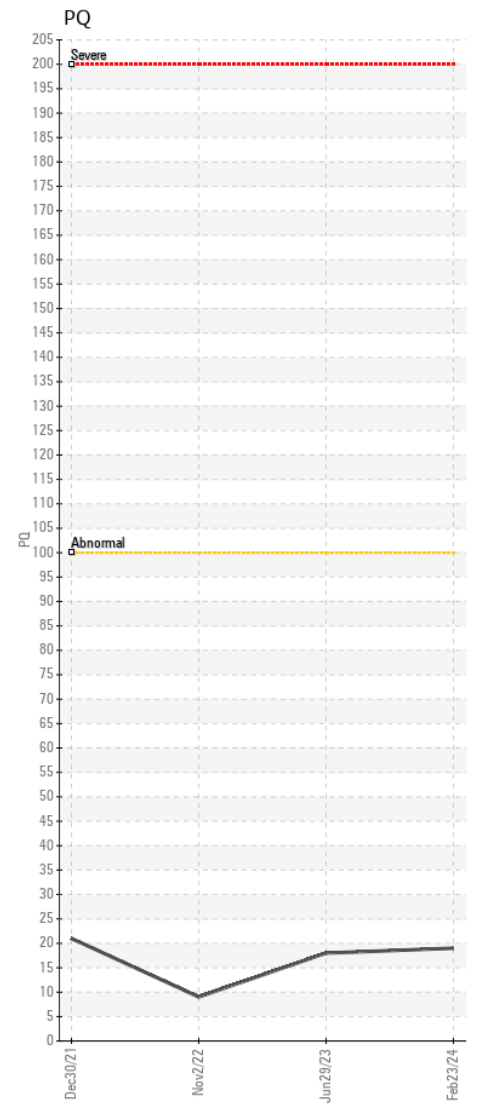
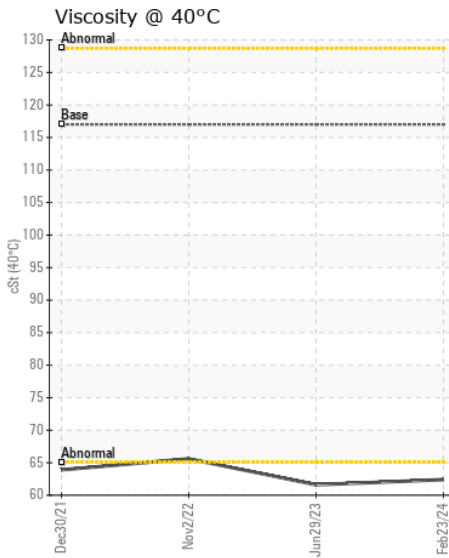
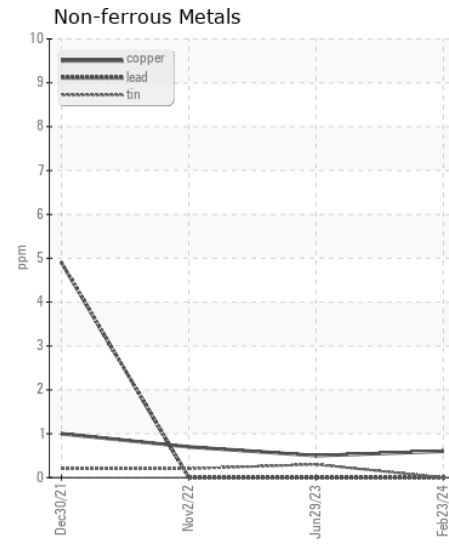
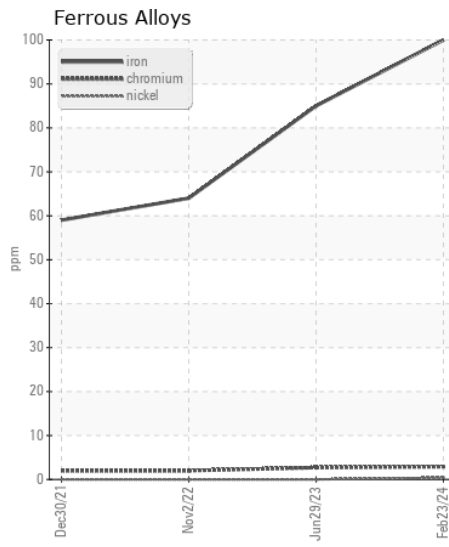
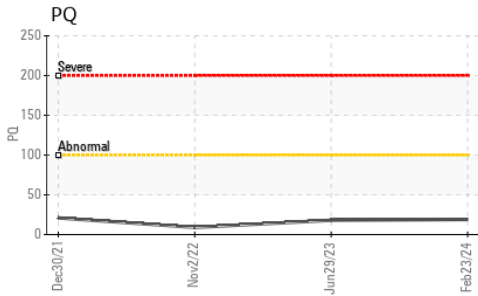
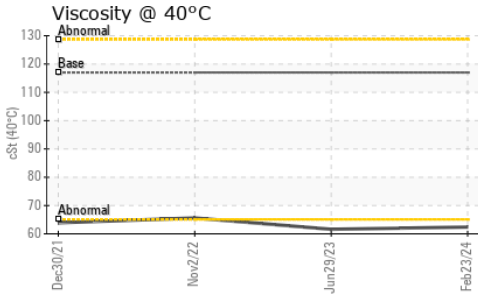
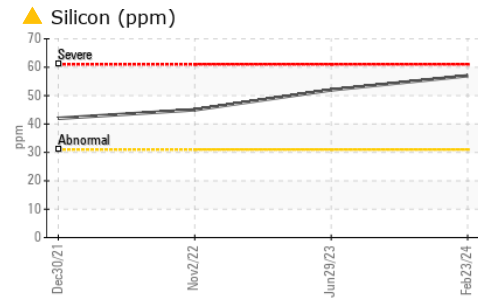
Elemental level of silicon (Si) above normal indicating ingress of dirt/seal material.

Silicon	ppm	ASTM D5185m	>31	<b>▲ 57</b>	▲ 52	▲ 45
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	1	3
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>LIGHT</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>	4	<1
Boron	ppm	ASTM D5185m		<b>98</b>	80	75
Barium	ppm	ASTM D5185m		<b>5</b>	7	9
Molybdenum	ppm	ASTM D5185m		<b>137</b>	112	120
Manganese	ppm	ASTM D5185m		<b>6</b>	6	5
Magnesium	ppm	ASTM D5185m		<b>● 163</b>	79	85
Calcium	ppm	ASTM D5185m		<b>● 3628</b>	4034	3878
Phosphorus	ppm	ASTM D5185m		<b>1112</b>	1211	1137
Zinc	ppm	ASTM D5185m		<b>1322</b>	1378	1303
Sulfur	ppm	ASTM D5185m		<b>● 7688</b>	9089	8484
Visc @ 40°C	cSt	ASTM D445	117	<b>62.4</b>	61.6	65.6



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0047851 **Received** : 28 Feb 2024  
**Lab Number** : 06103257 **Tested** : 01 Mar 2024  
**Unique Number** : 10901487 **Diagnosed** : 01 Mar 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**LESLIE EQUIPMENT COMPANY**  
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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)