



# OIL ANALYSIS REPORT

WEAR  
CONTAMINATION  
FLUID CONDITION

**ATTENTION**  
**ABNORMAL**  
**NORMAL**



Area  
**Store 4 - Fairmont [RO# 152355]**  
Machine Id  
**JOHN DEERE 350G 1FF350GXAKF814122**  
Component  
**Left Propel Gearbox**  
Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (2 GAL)**

## RECOMMENDATION

We advise that you check all areas where dirt can enter the system. 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>LEC0050937</b>	LEC0047850	LEC0041102
Sample Date		Client Info		<b>21 Jun 2024</b>	23 Feb 2024	29 Jun 2023
Machine Age	hrs	Client Info		<b>2624</b>	2136	1519
Oil Age	hrs	Client Info		<b>488</b>	617	590
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	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>106</b>	266	122
Iron	ppm	ASTM D5185m	>1250	<b>188</b>	463	211
Chromium	ppm	ASTM D5185m	>10	<b>1</b>	4	4
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	2	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	4	2
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m		<b>17</b>	61	42
Lead	ppm	ASTM D5185m		<b>0</b>	0	0
Copper	ppm	ASTM D5185m		<b>&lt;1</b>	1	<1
Tin	ppm	ASTM D5185m		<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

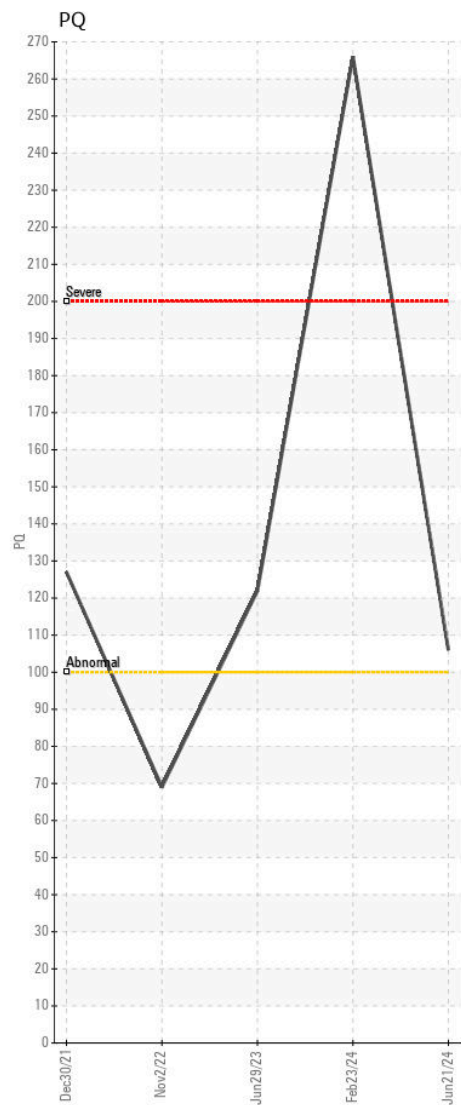
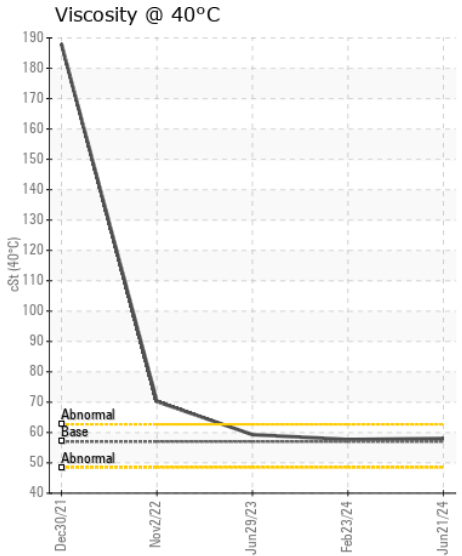
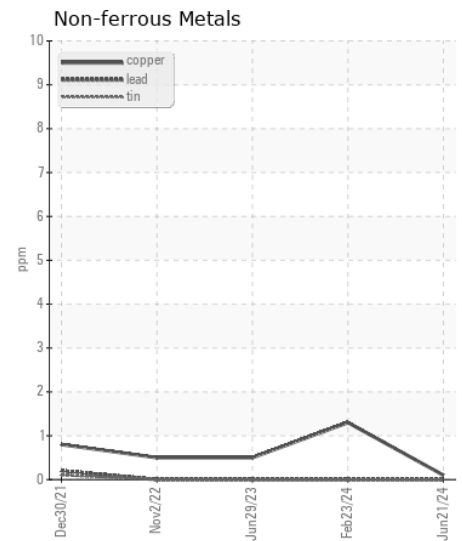
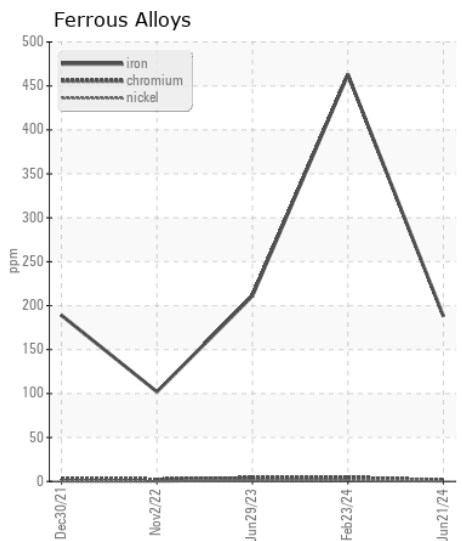
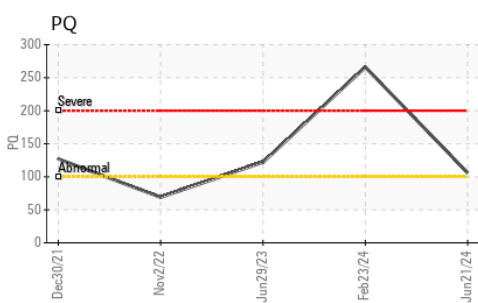
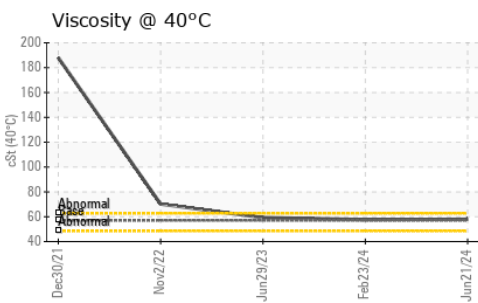
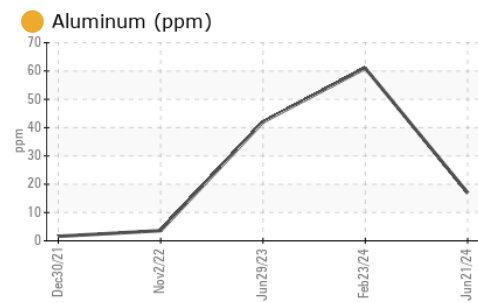
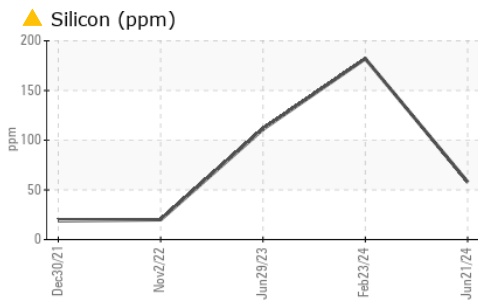
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m		<b>58</b>	182	111
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	18	11
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	MODER
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

## FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	1	2
Boron	ppm	ASTM D5185m	6	<b>4</b>	1	7
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>2</b>	1	1
Manganese	ppm	ASTM D5185m		<b>2</b>	5	4
Magnesium	ppm	ASTM D5185m	145	<b>111</b>	107	102
Calcium	ppm	ASTM D5185m	3570	<b>3438</b>	3555	3560
Phosphorus	ppm	ASTM D5185m	1290	<b>1011</b>	955	1045
Zinc	ppm	ASTM D5185m	1640	<b>1217</b>	1262	1292
Sulfur	ppm	ASTM D5185m		<b>4227</b>	3722	4927
Visc @ 40°C	cSt	ASTM D445	57.0	<b>58.0</b>	57.7	59.3



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0050937 **Received** : 26 Jun 2024  
**Lab Number** : 06221500 **Tested** : 27 Jun 2024  
**Unique Number** : 11099697 **Diagnosed** : 28 Jun 2024 - Sean Felton  
**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)