



OIL ANALYSIS REPORT

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

Area  
**Store 4 - Fairmont**  
 Machine Id  
**JOHN DEERE 350GL 1FF350GXJKF814116**  
 Component  
**Left Propel Gearbox**  
 Fluid  
**JOHN DEERE GL-5 80W90 (2 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor. Please note that this is a corrected copy for data entry update of oil type.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0046586</b>	LEC0037098	LEC0032072
Sample Date		Client Info		<b>29 Dec 2023</b>	11 Jan 2023	03 Aug 2022
Machine Age	hrs	Client Info		<b>1460</b>	923	457
Oil Age	hrs	Client Info		<b>537</b>	923	457
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Not Changd
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

PQ		ASTM D8184		<b>170</b>	133	106
Iron	ppm	ASTM D5185m	>1250	<b>301</b>	303	200
Chromium	ppm	ASTM D5185m	>10	<b>7</b>	6	5
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	1
Aluminum	ppm	ASTM D5185m		<b>2</b>	2	2
Lead	ppm	ASTM D5185m		<b>0</b>	0	0
Copper	ppm	ASTM D5185m		<b>2</b>	1	1
Tin	ppm	ASTM D5185m		<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>MODER</b>	LIGHT	MODER
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

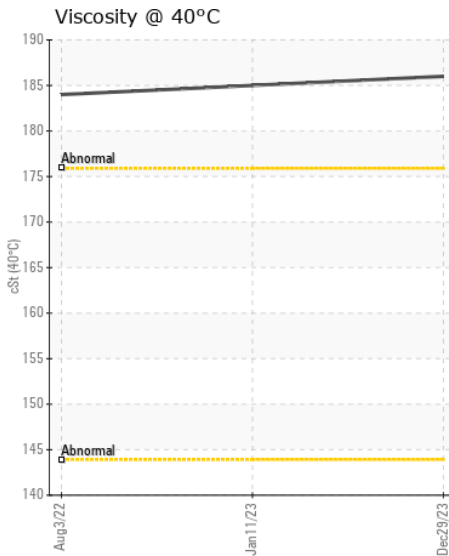
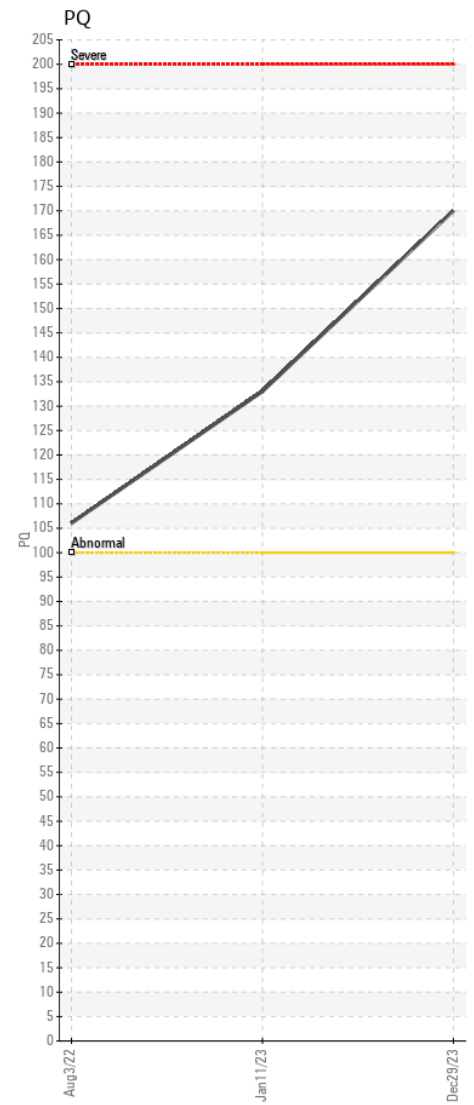
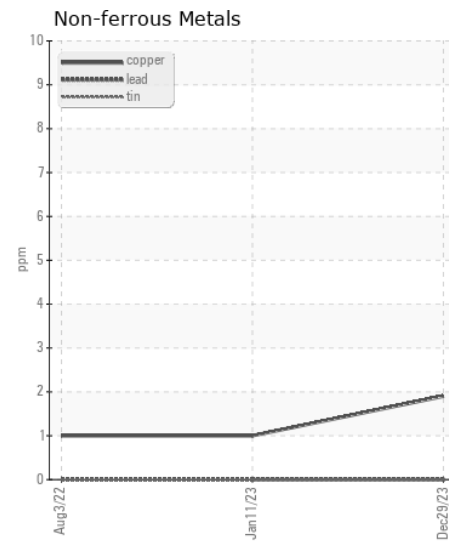
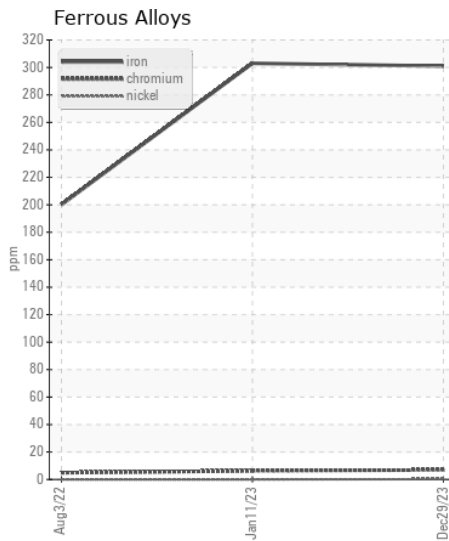
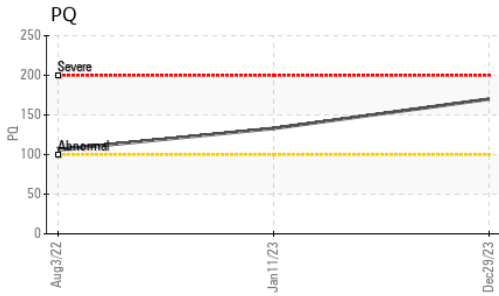
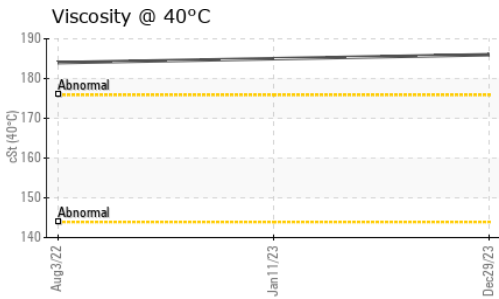
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		<b>27</b>	22	18
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	1	0
Water		WC Method	>0.2	<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	>0.2	<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>	0	<1
Boron	ppm	ASTM D5185m		<b>58</b>	63	69
Barium	ppm	ASTM D5185m		<b>5</b>	0	2
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	0
Manganese	ppm	ASTM D5185m		<b>8</b>	7	5
Magnesium	ppm	ASTM D5185m		<b>4</b>	1	<1
Calcium	ppm	ASTM D5185m		<b>35</b>	18	12
Phosphorus	ppm	ASTM D5185m		<b>502</b>	490	519
Zinc	ppm	ASTM D5185m		<b>35</b>	26	23
Sulfur	ppm	ASTM D5185m		<b>13751</b>	14853	16400
Visc @ 40°C	cSt	ASTM D445		<b>186</b>	185	184



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0046586 **Received** : 12 Jan 2024  
**Lab Number** : 06059515 **Diagnosed** : 26 Jan 2024  
**Unique Number** : 10830897 **Diagnostician** : Doug Bogart  
**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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