



# OIL ANALYSIS REPORT

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

Area **Store 4 - Fairmont**

Machine Id **PRINOTH 935310208**

Component **Left Propel Gearbox**

Fluid **JOHN DEERE GL-5 80W90 (1 GAL)**

## RECOMMENDATION

The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0041734</b>	LEC0036864	LEC0024944
Sample Date		Client Info		<b>17 May 2023</b>	29 Nov 2022	29 Nov 2021
Machine Age	hrs	Client Info		<b>1748</b>	1364	981
Oil Age	hrs	Client Info		<b>384</b>	383	402
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>None</b>	None	N/A
Sample Status				<b>SEVERE</b>	SEVERE	ABNORMAL

## WEAR

Bearing and/or bushing wear is indicated. Gear wear is indicated.

PQ		ASTM D8184		<b>110</b>	32	118
Iron	ppm	ASTM D5185m	>200	<b>▲ 512</b>	162	▲ 223
Chromium	ppm	ASTM D5185m	>10	<b>5</b>	2	2
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m		<b>13</b>	2	<1
Lead	ppm	ASTM D5185m		<b>18</b>	▲ 81	▲ 134
Copper	ppm	ASTM D5185m		<b>▲ 483</b>	▲ 654	▲ 174
Tin	ppm	ASTM D5185m		<b>11</b>	▲ 20	9
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

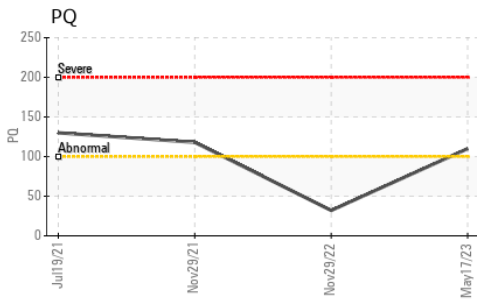
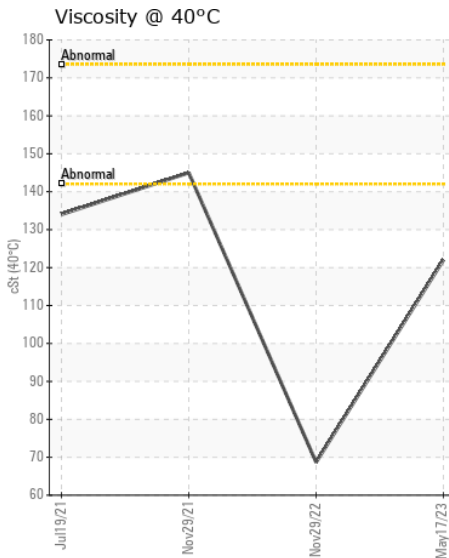
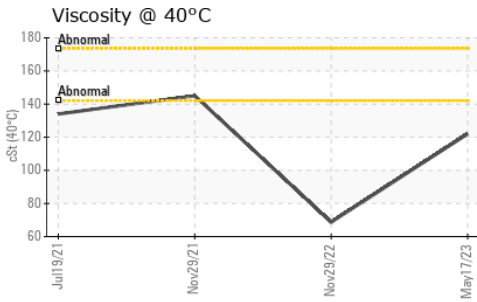
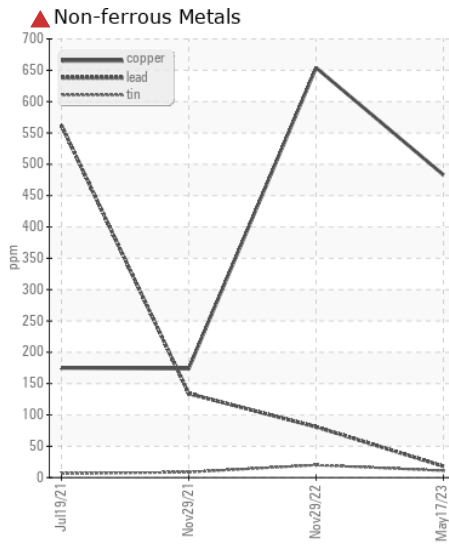
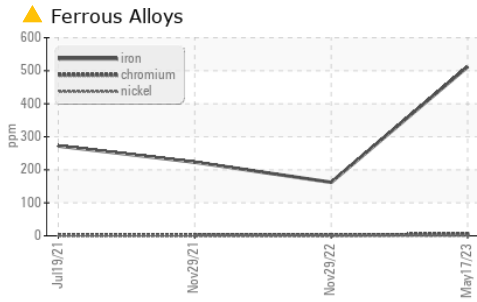
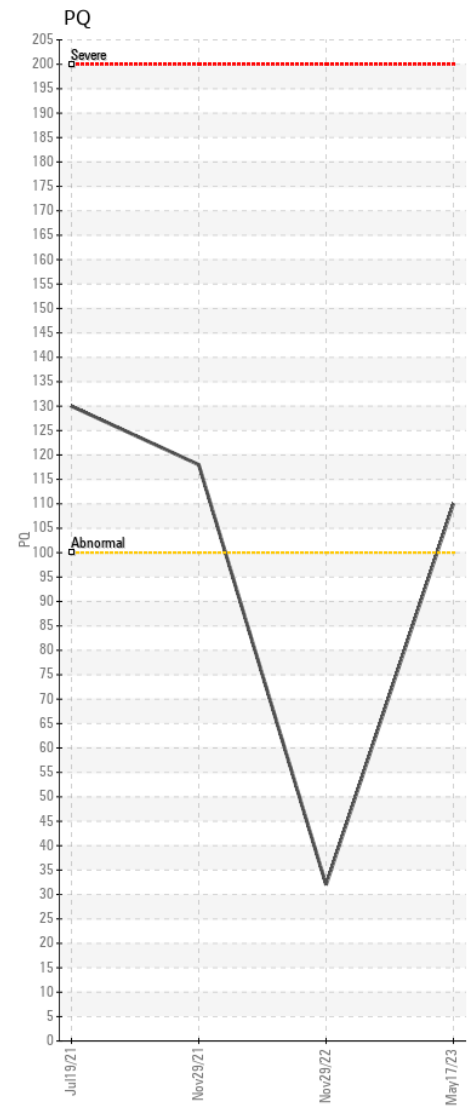
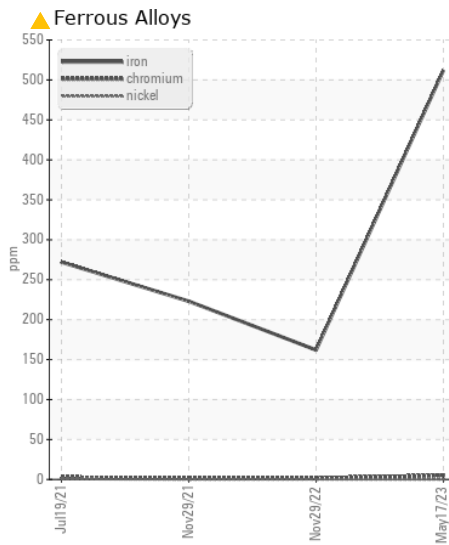
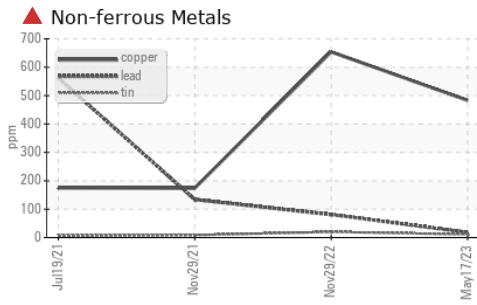
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		<b>60</b>	6	3
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	0	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>2</b>	4	7
Boron	ppm	ASTM D5185m		<b>0</b>	8	4
Barium	ppm	ASTM D5185m		<b>0</b>	1	0
Molybdenum	ppm	ASTM D5185m		<b>0</b>	3	<1
Manganese	ppm	ASTM D5185m		<b>3</b>	1	2
Magnesium	ppm	ASTM D5185m		<b>21</b>	79	14
Calcium	ppm	ASTM D5185m		<b>502</b>	2429	123
Phosphorus	ppm	ASTM D5185m		<b>472</b>	1263	2135
Zinc	ppm	ASTM D5185m		<b>134</b>	681	58
Sulfur	ppm	ASTM D5185m		<b>18150</b>	10028	20585
Visc @ 40°C	cSt	ASTM D445		<b>122</b>	● 68.7	145



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0041734 **Received** : 19 May 2023  
**Lab Number** : 05852073 **Tested** : 22 May 2023  
**Unique Number** : 10481428 **Diagnosed** : 23 May 2023 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**LESLIE EQUIPMENT COMPANY**  
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 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)

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