



# OIL ANALYSIS REPORT

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

Area  
**Store 8 - Pikeville [146422]**  
 Machine Id  
**PRINOTH T14R 935310213**  
 Component  
**Left Final Drive**  
 Fluid  
**JOHN DEERE GL-5 80W90 (1 GAL)**

## RECOMMENDATION

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LEC0046482</b>	LEC0029403	LEC0025190
Sample Date		Client Info		<b>08 Jan 2024</b>	20 May 2022	27 Sep 2021
Machine Age	hrs	Client Info		<b>1800</b>	1351	959
Oil Age	hrs	Client Info		<b>449</b>	392	339
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	None
Sample Status				<b>SEVERE</b>	SEVERE	SEVERE

## WEAR

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

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>115</b>	96	80
Iron	ppm	ASTM D5185m	>500	<b>700</b>	2990	1853
Chromium	ppm	ASTM D5185m	>10	<b>8</b>	22	22
Nickel	ppm	ASTM D5185m	>10	<b>3</b>	5	5
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	2	1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>4</b>	16	10
Lead	ppm	ASTM D5185m	>25	<b>11</b>	75	121
Copper	ppm	ASTM D5185m	>50	<b>578</b>	2058	1921
Tin	ppm	ASTM D5185m	>10	<b>18</b>	124	47
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

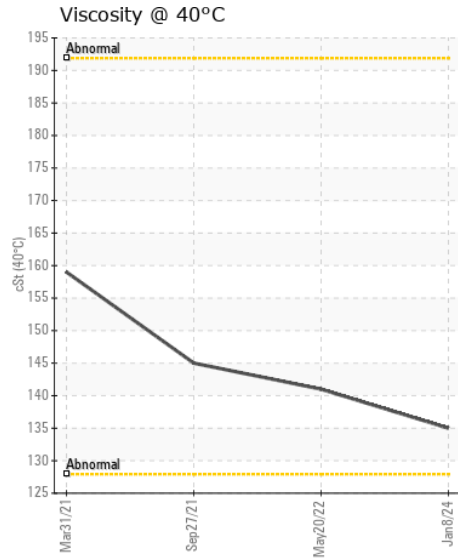
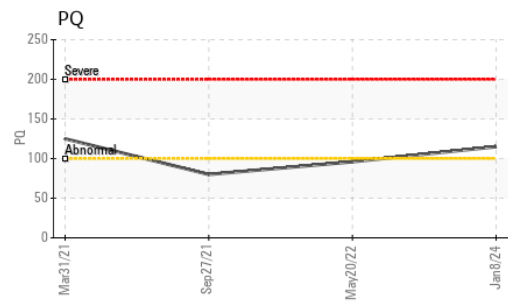
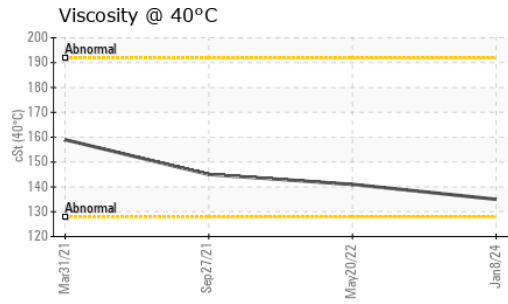
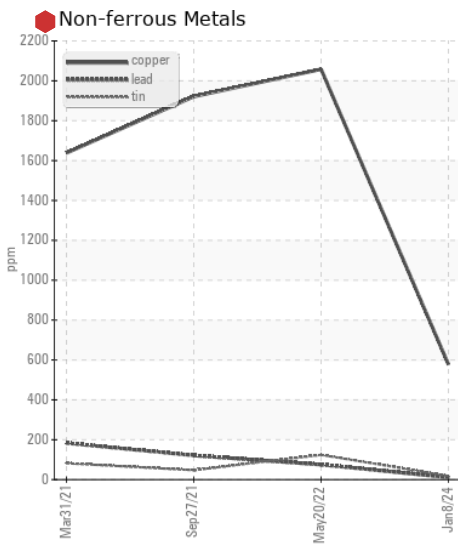
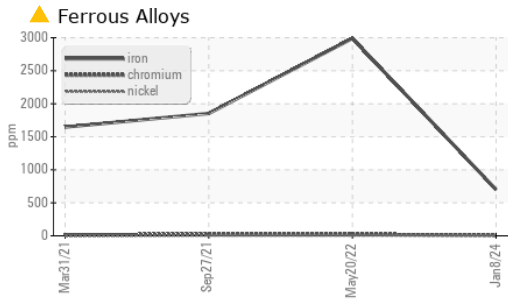
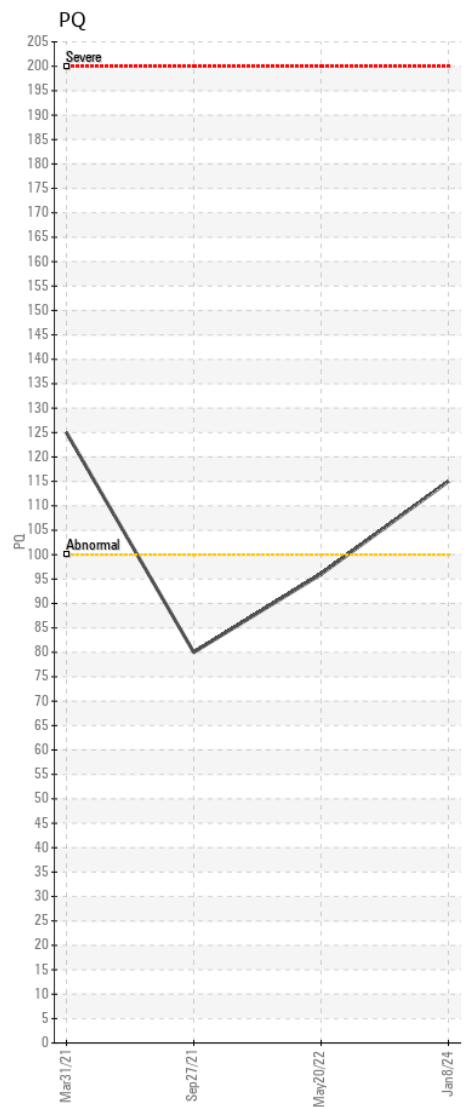
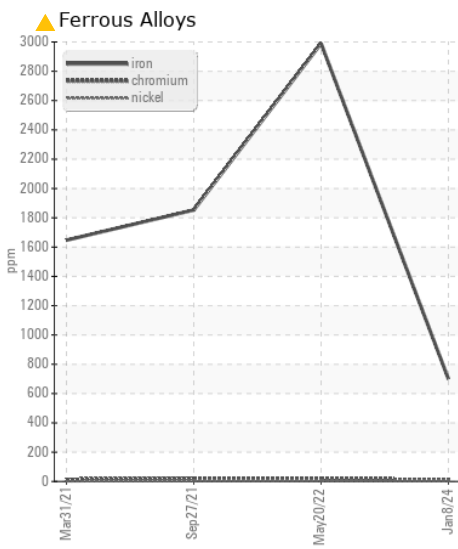
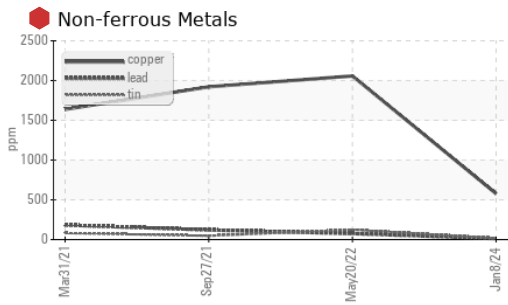
There is no indication of any contamination in the oil.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Silicon	ppm	ASTM D5185m	>75	<b>27</b>	93	22
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	4	2
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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sodium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Boron	ppm	ASTM D5185m		<b>0</b>	5	7
Barium	ppm	ASTM D5185m		<b>0</b>	0	1
Molybdenum	ppm	ASTM D5185m		<b>0</b>	1	<1
Manganese	ppm	ASTM D5185m		<b>5</b>	17	11
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	4	2
Calcium	ppm	ASTM D5185m		<b>7</b>	26	11
Phosphorus	ppm	ASTM D5185m		<b>306</b>	307	278
Zinc	ppm	ASTM D5185m		<b>6</b>	37	17
Sulfur	ppm	ASTM D5185m		<b>18270</b>	14497	12115
Visc @ 40°C	cSt	ASTM D445		<b>135</b>	141	145



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0046482 **Received** : 11 Jan 2024  
**Lab Number** : 06058353 **Diagnosed** : 14 Jan 2024  
**Unique Number** : 10829735 **Diagnostician** : 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)