



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION



Area  
**Store 6 - Ashland**  
Machine Id  
**JOHN DEERE 130G 1FF130GXLKF042414**  
Component  
**Right Propel Gearbox**  
Fluid  
**JOHN DEERE GL-5 80W90 (4 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		LEC0048204	LEC0033833	---
Sample Date		Client Info		11 Apr 2024	12 Oct 2022	---
Machine Age	hrs	Client Info		840	519	---
Oil Age	hrs	Client Info		321	519	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ATTENTION	NORMAL	---

## WEAR

All component wear rates are normal.

PQ		ASTM D8184		37	96	---
Iron	ppm	ASTM D5185m	>1250	37	83	---
Chromium	ppm	ASTM D5185m	>10	2	2	---
Nickel	ppm	ASTM D5185m	>10	<1	0	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m		3	<1	---
Lead	ppm	ASTM D5185m		<1	<1	---
Copper	ppm	ASTM D5185m		<1	<1	---
Tin	ppm	ASTM D5185m		<1	0	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	LIGHT	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

## CONTAMINATION

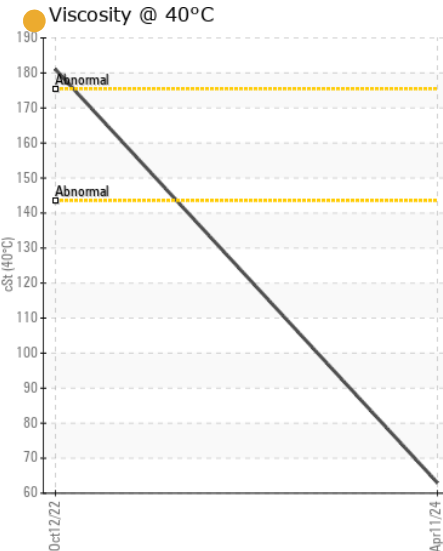
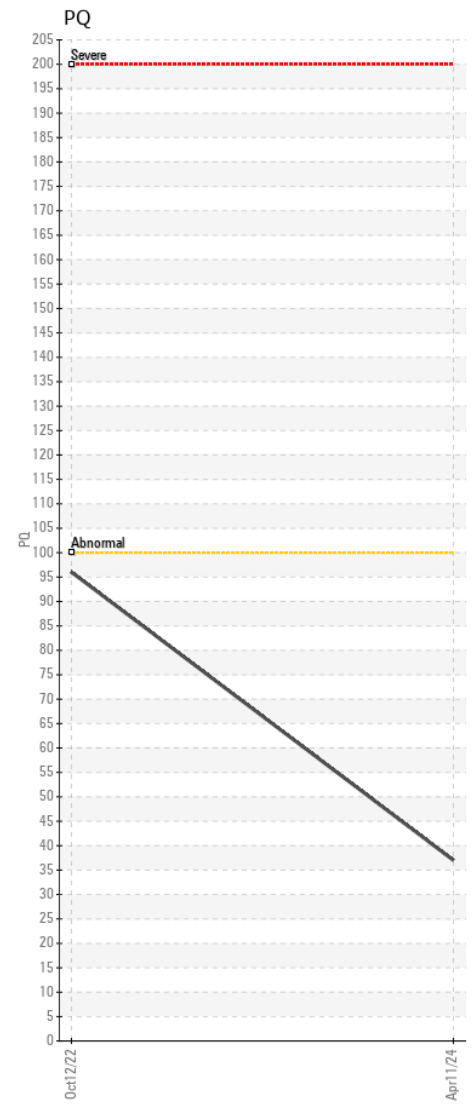
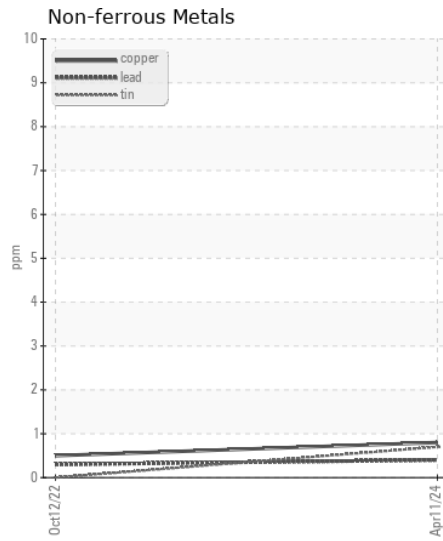
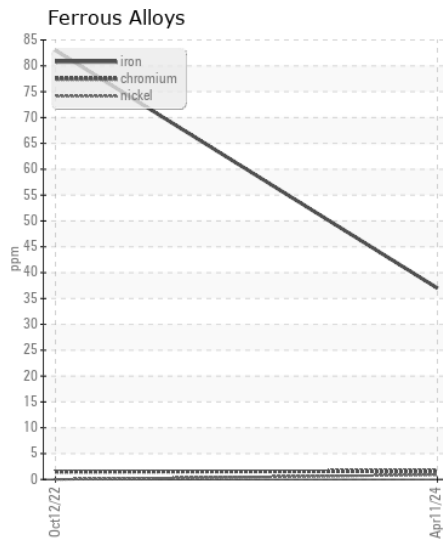
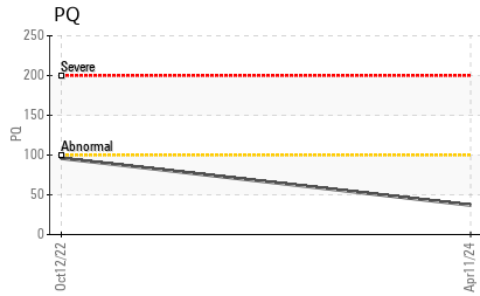
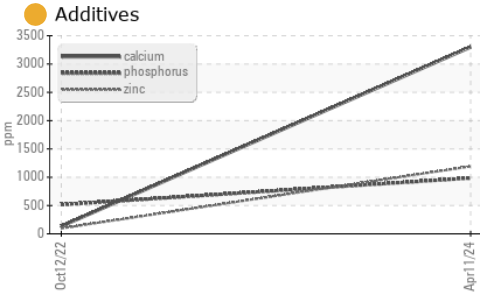
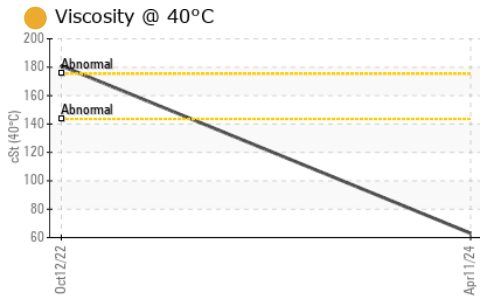
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		14	20	---
Potassium	ppm	ASTM D5185m	>20	4	3	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---

## FLUID CONDITION

The oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Sodium	ppm	ASTM D5185m		2	0	---
Boron	ppm	ASTM D5185m		23	55	---
Barium	ppm	ASTM D5185m		3	11	---
Molybdenum	ppm	ASTM D5185m		<1	0	---
Manganese	ppm	ASTM D5185m		1	2	---
Magnesium	ppm	ASTM D5185m		105	2	---
Calcium	ppm	ASTM D5185m		3300	133	---
Phosphorus	ppm	ASTM D5185m		985	515	---
Zinc	ppm	ASTM D5185m		1191	96	---
Sulfur	ppm	ASTM D5185m		4815	16805	---
Visc @ 40°C	cSt	ASTM D445		63.0	181	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0048204 **Received** : 15 Apr 2024  
**Lab Number** : 06149693 **Tested** : 16 Apr 2024  
**Unique Number** : 10979771 **Diagnosed** : 18 Apr 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**LESLIE EQUIPMENT COMPANY**  
 105 TENNIS CENTER DR.  
 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)

T: (740)373-5570