



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Store 8 - Pikeville [RO#150389]
Machine Id
JOHN DEERE 210G 1FF210GXCNF530264
Component
Swing Drive
Fluid
JOHN DEERE GL-5 80W90 (2 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0048881	LEC0045641	---
Sample Date		Client Info		08 May 2024	23 Oct 2023	---
Machine Age	hrs	Client Info		1061	610	---
Oil Age	hrs	Client Info		1061	610	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Not Chngd	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		52	33	---
Iron	ppm	ASTM D5185m	>151	58	43	---
Chromium	ppm	ASTM D5185m	>11	<1	<1	---
Nickel	ppm	ASTM D5185m	>10	0	<1	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>21	<1	1	---
Lead	ppm	ASTM D5185m	>51	0	0	---
Copper	ppm	ASTM D5185m	>51	<1	0	---
Tin	ppm	ASTM D5185m	>10	0	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

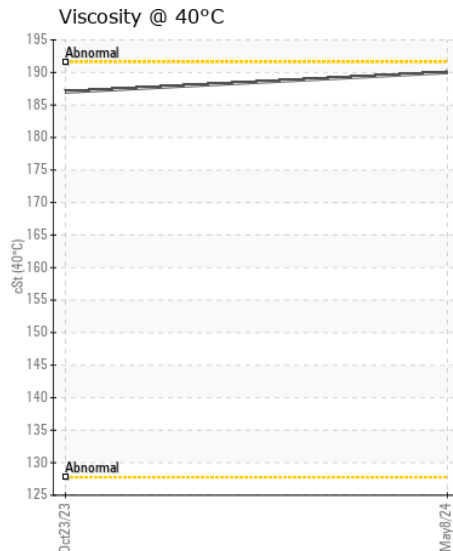
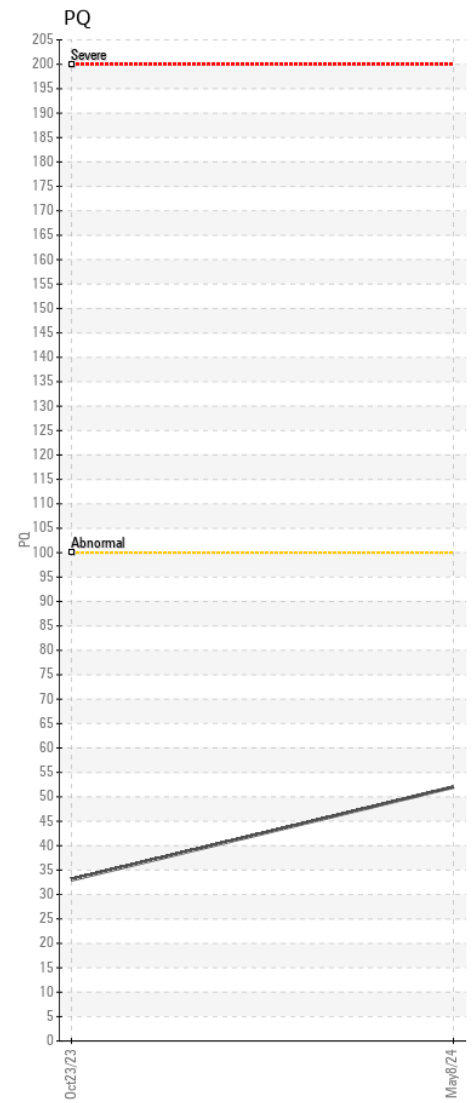
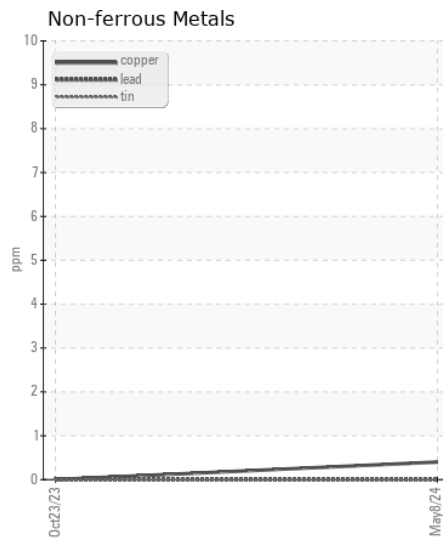
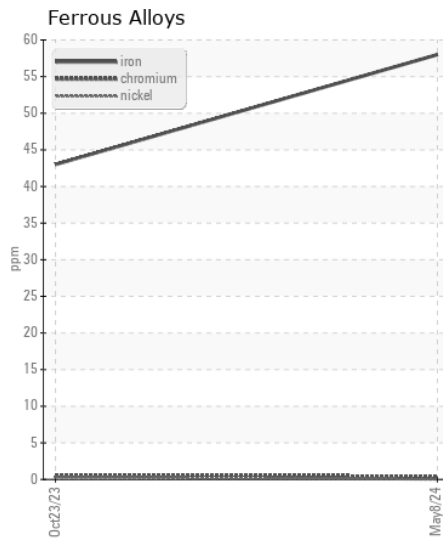
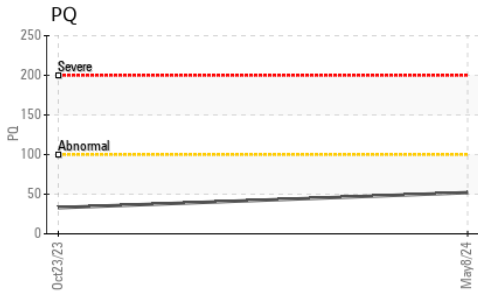
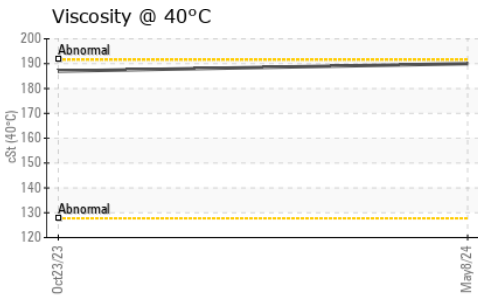
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	15	18	---
Potassium	ppm	ASTM D5185m	>20	2	<1	---
Water		WC Method	>0.1	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	>0.1	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	3	0	---
Boron	ppm	ASTM D5185m		85	80	---
Barium	ppm	ASTM D5185m		0	6	---
Molybdenum	ppm	ASTM D5185m		5	0	---
Manganese	ppm	ASTM D5185m		2	2	---
Magnesium	ppm	ASTM D5185m		0	5	---
Calcium	ppm	ASTM D5185m		144	28	---
Phosphorus	ppm	ASTM D5185m		504	536	---
Zinc	ppm	ASTM D5185m		29	4	---
Sulfur	ppm	ASTM D5185m		17473	16433	---
Visc @ 40°C	cSt	ASTM D445		190	187	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0048881 **Received** : 10 May 2024
Lab Number : 06176340 **Tested** : 13 May 2024
Unique Number : 11022393 **Diagnosed** : 13 May 2024 - Wes Davis
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)

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