



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION



Area
Store 5 - Cross Lanes
Machine Id
JOHN DEERE 250G 1FF250GXPNF611983
Component
Left Propel Gearbox
Fluid
JOHN DEERE GL-5 80W90 (2 GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Please note that this is a corrected copy for data entry updates.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0043244	LEC0039417	---
Sample Date		Client Info		26 Sep 2023	23 Feb 2023	---
Machine Age	hrs	Client Info		930	400	---
Oil Age	hrs	Client Info		459	400	---
Filter Age	hrs	Client Info		0	400	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		N/A	Changed	---
Sample Status				ATTENTION	NORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		318	527	---
Iron	ppm	ASTM D5185m	>1250	373	329	---
Chromium	ppm	ASTM D5185m	>10	7	9	---
Nickel	ppm	ASTM D5185m	>10	<1	<1	---
Titanium	ppm	ASTM D5185m		1	<1	---
Silver	ppm	ASTM D5185m		0	<1	---
Aluminum	ppm	ASTM D5185m		19	11	---
Lead	ppm	ASTM D5185m		0	<1	---
Copper	ppm	ASTM D5185m		2	3	---
Tin	ppm	ASTM D5185m		0	0	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

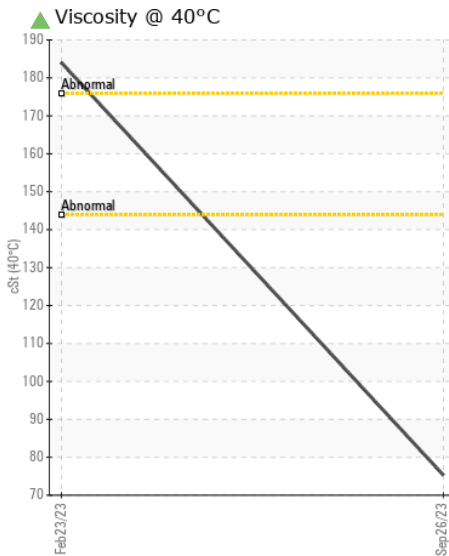
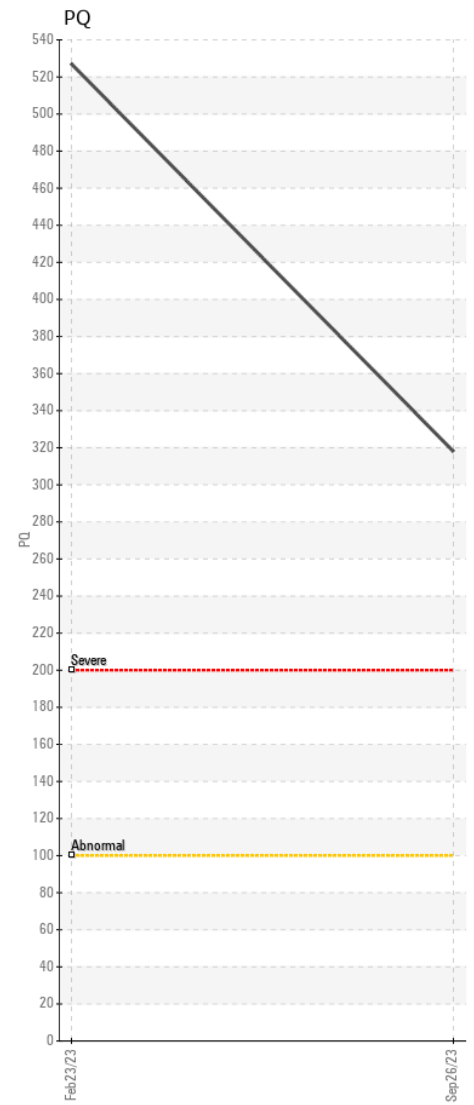
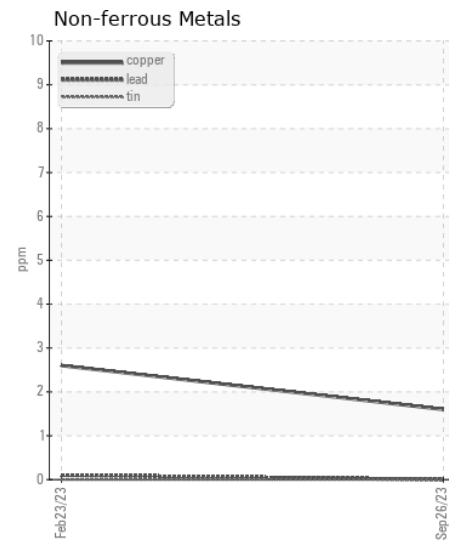
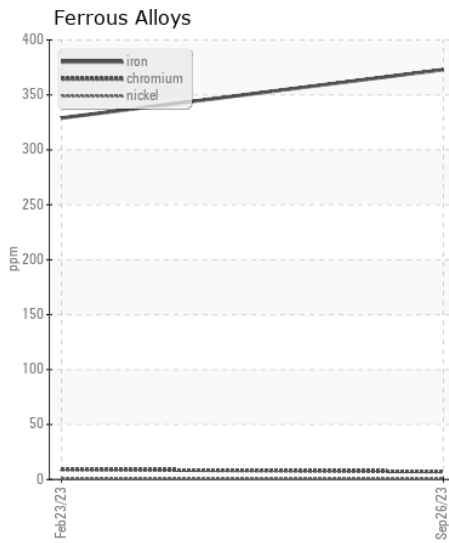
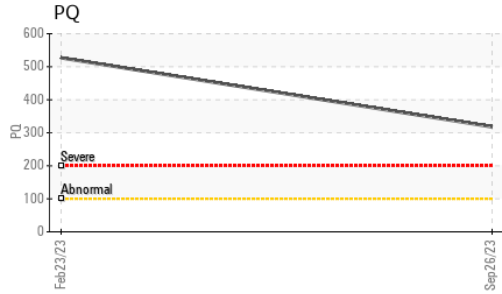
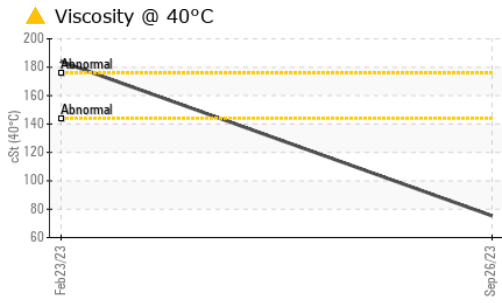
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		62	47	---
Potassium	ppm	ASTM D5185m	>20	6	4	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	LIGHT	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		0	0	---
Boron	ppm	ASTM D5185m		37	85	---
Barium	ppm	ASTM D5185m		5	8	---
Molybdenum	ppm	ASTM D5185m		1	<1	---
Manganese	ppm	ASTM D5185m		7	9	---
Magnesium	ppm	ASTM D5185m		74	2	---
Calcium	ppm	ASTM D5185m		2523	41	---
Phosphorus	ppm	ASTM D5185m		887	477	---
Zinc	ppm	ASTM D5185m		952	22	---
Sulfur	ppm	ASTM D5185m		7072	13071	---
Visc @ 40°C	cSt	ASTM D445		▲ 75.3	184	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0043244 **Received** : 28 Sep 2023
Lab Number : 05963781 **Diagnosed** : 15 Jan 2024
Unique Number : 10670332 **Diagnostician** : Doug Bogart
Test Package : CONST (Additional Tests: PQ)

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 MARIETTA, OH
 US 45750-9765
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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)