



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION



Area
Store 4 - Fairmont
Machine Id
JOHN DEERE 210G 1FF210GXTNF530279
Component
Right Propel Gearbox
Fluid
JOHN DEERE GL-5 80W90 (2 GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0042308	LEC0038133	---
Sample Date		Client Info		07 Jun 2023	23 Dec 2022	---
Machine Age	hrs	Client Info		983	470	---
Oil Age	hrs	Client Info		513	470	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		None	N/A	---
Sample Status				ATTENTION	NORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		75	173	---
Iron	ppm	ASTM D5185m	>1250	131	201	---
Chromium	ppm	ASTM D5185m	>10	2	4	---
Nickel	ppm	ASTM D5185m	>10	0	0	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m		<1	1	---
Lead	ppm	ASTM D5185m		0	0	---
Copper	ppm	ASTM D5185m		<1	<1	---
Tin	ppm	ASTM D5185m		0	0	---
Vanadium	ppm	ASTM D5185m		0	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

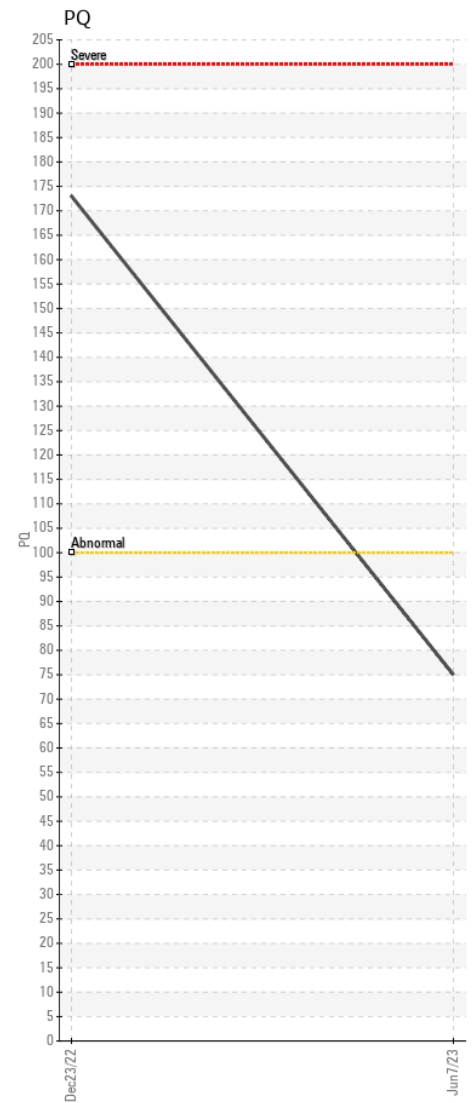
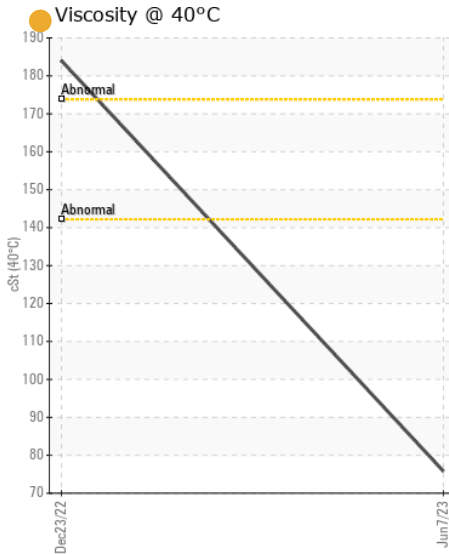
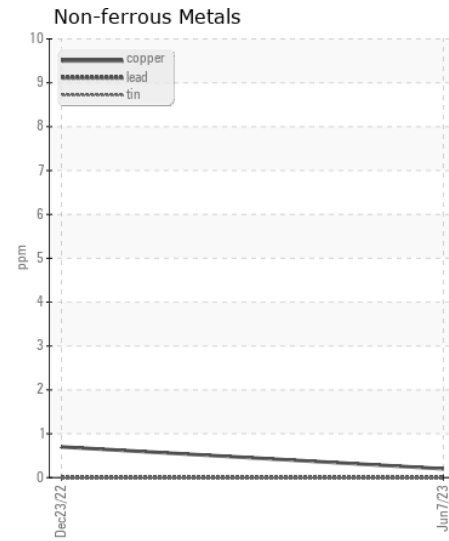
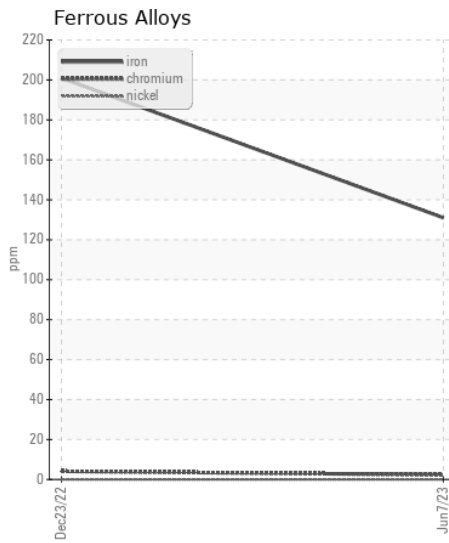
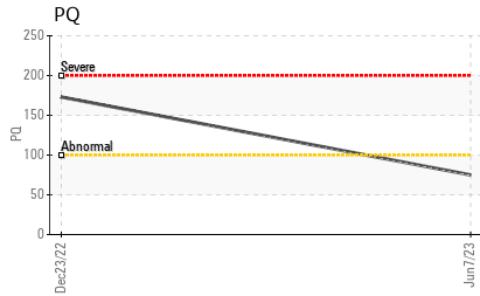
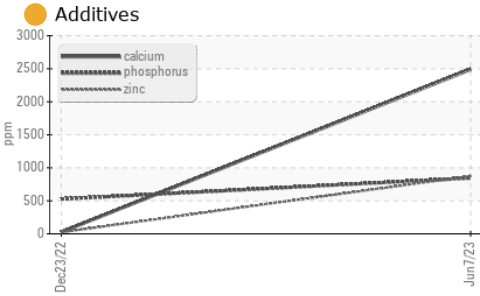
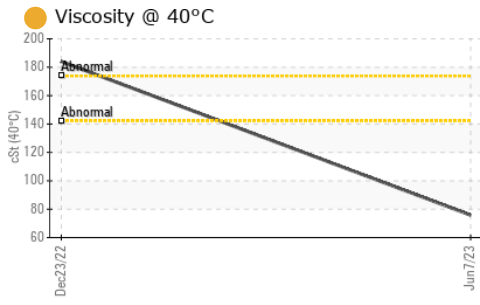
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		14	18	---
Potassium	ppm	ASTM D5185m	>20	0	1	---
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		<1	0	---
Boron	ppm	ASTM D5185m		30	79	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		<1	<1	---
Manganese	ppm	ASTM D5185m		3	5	---
Magnesium	ppm	ASTM D5185m		72	<1	---
Calcium	ppm	ASTM D5185m		2490	26	---
Phosphorus	ppm	ASTM D5185m		844	526	---
Zinc	ppm	ASTM D5185m		874	23	---
Sulfur	ppm	ASTM D5185m		7651	17418	---
Visc @ 40°C	cSt	ASTM D445		75.8	184	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0042308 **Received** : 09 Jun 2023
Lab Number : 05869659 **Tested** : 13 Jun 2023
Unique Number : 10509443 **Diagnosed** : 13 Jun 2023 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

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 105 TENNIS CENTER DR.
 MARIETTA, OH
 US 45750-9765
 Contact: LEANNE KENDALL
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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)