



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION



Area
Store 4 - Fairmont [151139]
Machine Id
JOHN DEERE 210G 1FF210GXVNF529768
Component
Swing Drive
Fluid
JOHN DEERE GL-5 80W90 (2 GAL)

RECOMMENDATION

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		LEC0045145	LEC0043563	LEC0041676
Sample Date		Client Info		20 May 2024	07 Nov 2023	26 May 2023
Machine Age	hrs	Client Info		2636	1998	1467
Oil Age	hrs	Client Info		638	1013	482
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		N/A	N/A	None
Sample Status				ATTENTION	ATTENTION	ATTENTION

WEAR

All component wear rates are normal.

PQ		ASTM D8184		27	27	41
Iron	ppm	ASTM D5185m	>151	42	54	45
Chromium	ppm	ASTM D5185m	>11	0	<1	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>21	2	<1	5
Lead	ppm	ASTM D5185m	>51	0	0	0
Copper	ppm	ASTM D5185m	>51	0	0	0
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

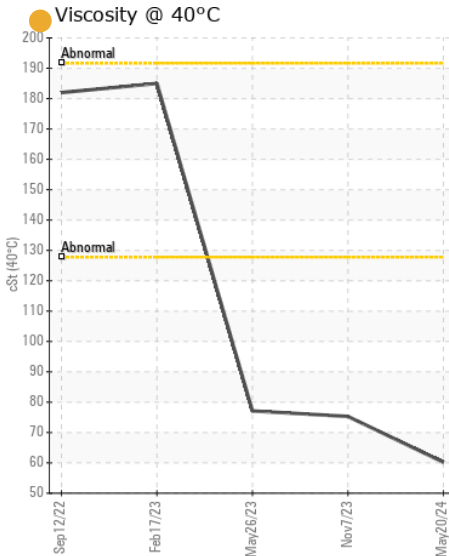
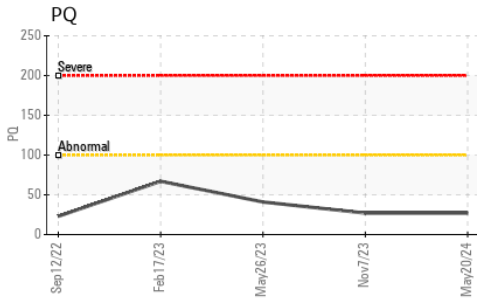
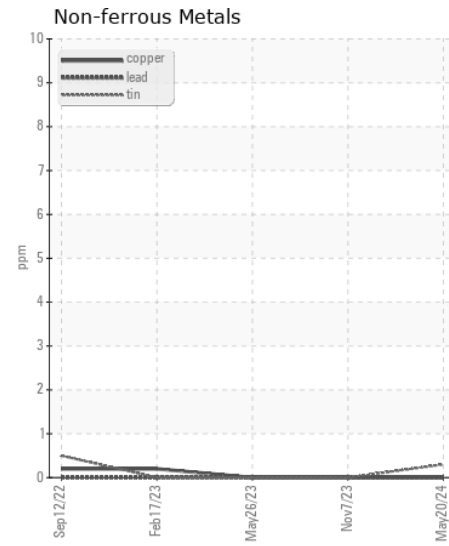
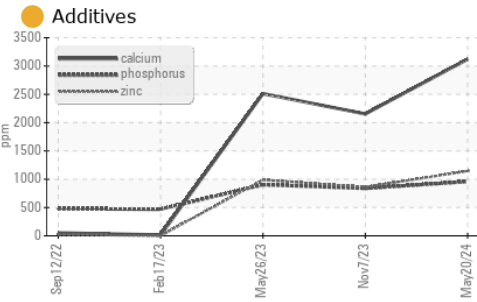
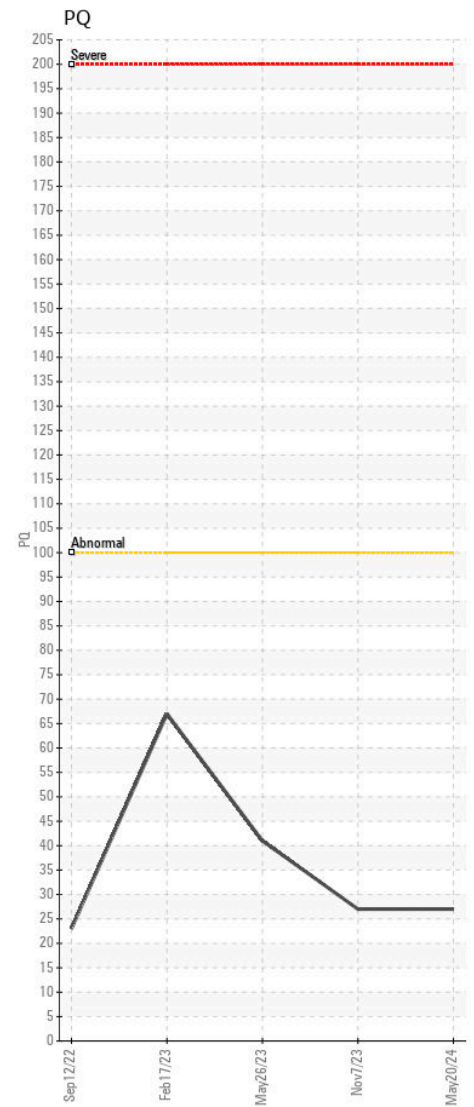
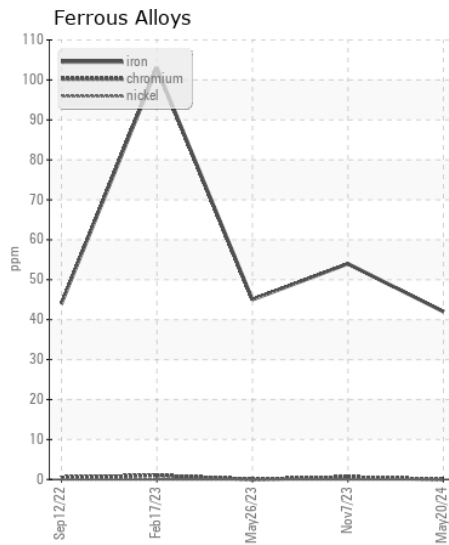
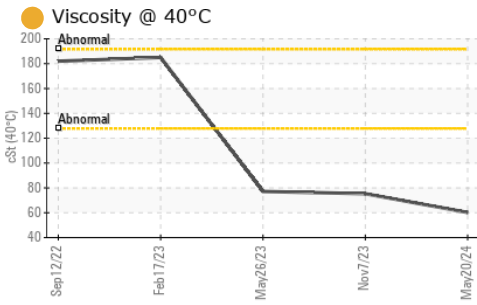
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	14	14	11
Potassium	ppm	ASTM D5185m	>20	<1	0	1
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	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	>51	0	<1	0
Boron	ppm	ASTM D5185m		14	37	33
Barium	ppm	ASTM D5185m		0	4	0
Molybdenum	ppm	ASTM D5185m		8	5	6
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m		116	88	105
Calcium	ppm	ASTM D5185m		3121	2153	2512
Phosphorus	ppm	ASTM D5185m		959	838	902
Zinc	ppm	ASTM D5185m		1144	861	988
Sulfur	ppm	ASTM D5185m		4590	5921	7813
Visc @ 40°C	cSt	ASTM D445		60.2	75.3	77.1



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0045145 **Received** : 22 May 2024
Lab Number : 06187976 **Tested** : 24 May 2024
Unique Number : 11044728 **Diagnosed** : 24 May 2024 - Sean Felton
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