



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION



Machine Id
JOHN DEERE 210G 1FF210GXCKF527948
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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0040138	LEC0036547	LEC0030057
Sample Date		Client Info		28 Mar 2023	16 Nov 2022	01 Apr 2022
Machine Age	hrs	Client Info		2800	2345	1282
Oil Age	hrs	Client Info		455	1063	585
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		None	N/A	None
Sample Status				ATTENTION	ATTENTION	ATTENTION

WEAR

All component wear rates are normal.

PQ		ASTM D8184		27	109	98
Iron	ppm	ASTM D5185m	>1250	54	163	215
Chromium	ppm	ASTM D5185m	>10	<1	2	4
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m		1	2	2
Lead	ppm	ASTM D5185m		<1	0	0
Copper	ppm	ASTM D5185m		0	<1	<1
Tin	ppm	ASTM D5185m		0	0	0
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

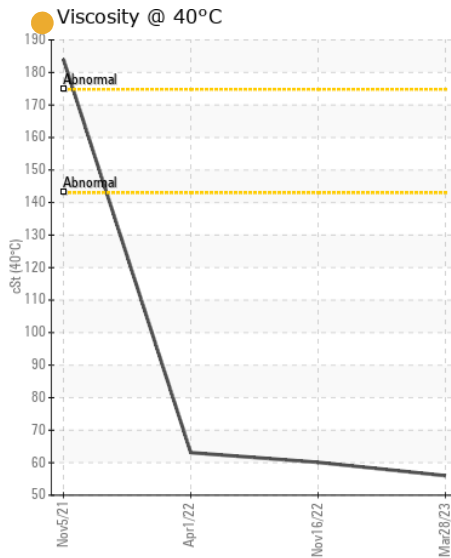
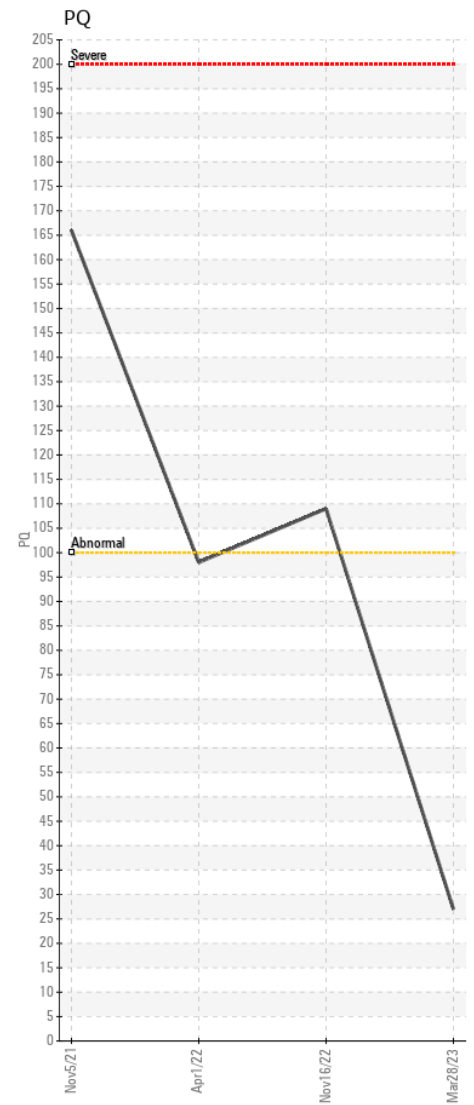
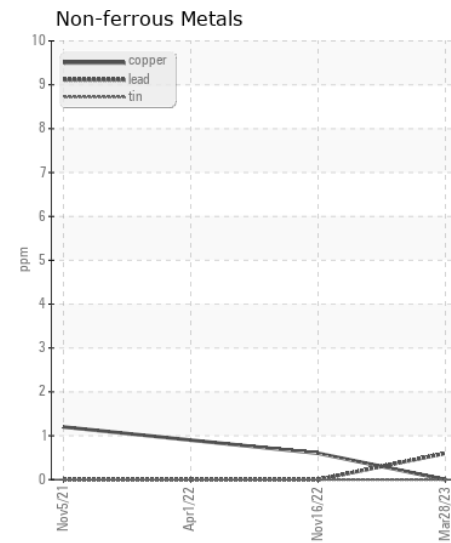
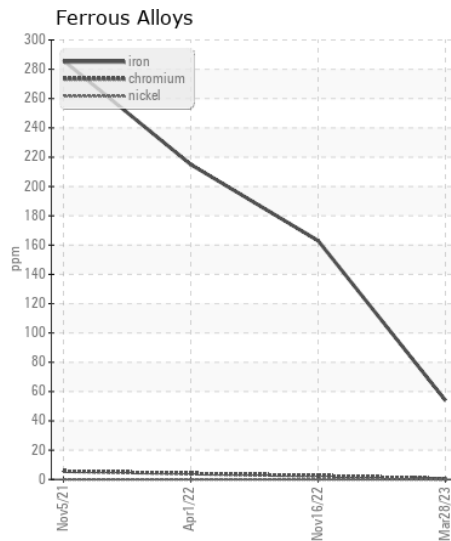
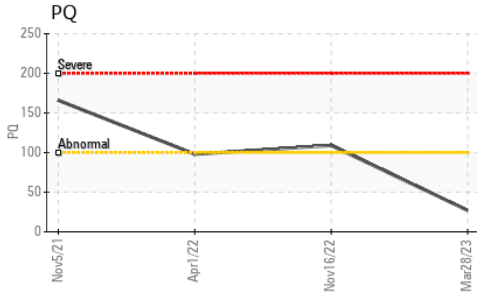
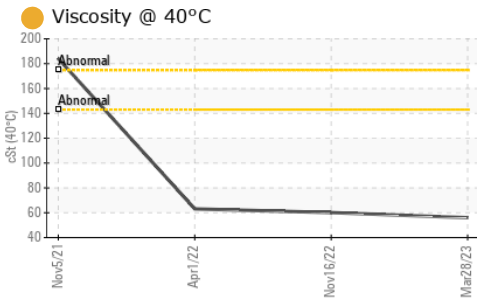
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		9	12	15
Potassium	ppm	ASTM D5185m	>20	<1	0	2
Water		WC Method	>0.2	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	>0.2	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		0	0	<1
Boron	ppm	ASTM D5185m		4	5	27
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		2	2	3
Manganese	ppm	ASTM D5185m		1	2	3
Magnesium	ppm	ASTM D5185m		118	96	103
Calcium	ppm	ASTM D5185m		3483	3196	3317
Phosphorus	ppm	ASTM D5185m		1001	967	1075
Zinc	ppm	ASTM D5185m		1290	1071	1270
Sulfur	ppm	ASTM D5185m		4019	4792	4788
Visc @ 40°C	cSt	ASTM D445		56.0	60.1	63.1



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0040138 **Received** : 30 Mar 2023
Lab Number : 05807088 **Tested** : 02 Apr 2023
Unique Number : 10404617 **Diagnosed** : 02 Apr 2023 - 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)

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