



OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION
ABNORMAL
NORMAL



Area
[147699]
Machine Id
JOHN DEERE 210GLC 1FF210GXPNF529831
Component
Right Propel Gearbox
Fluid
JOHN DEERE HY-GARD HYD/TRANS (2 GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

FLUID CONDITION

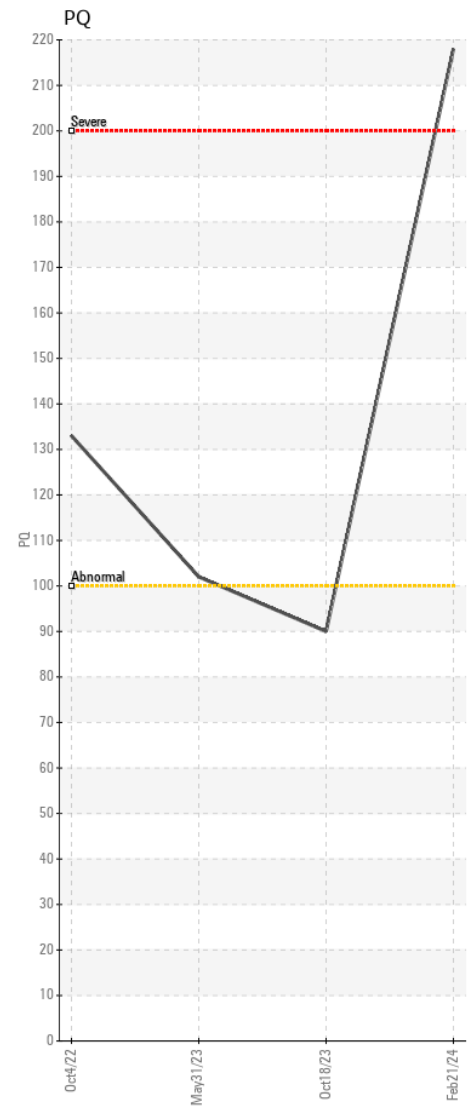
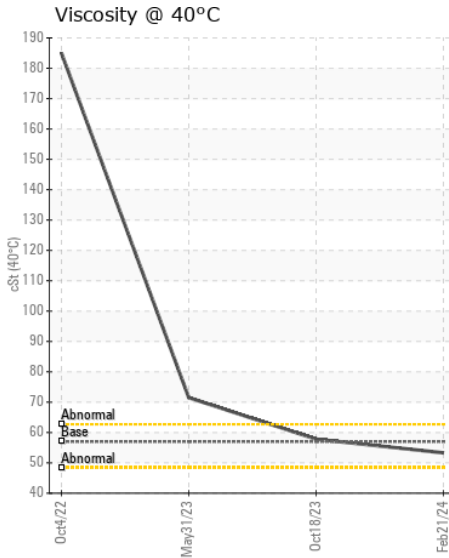
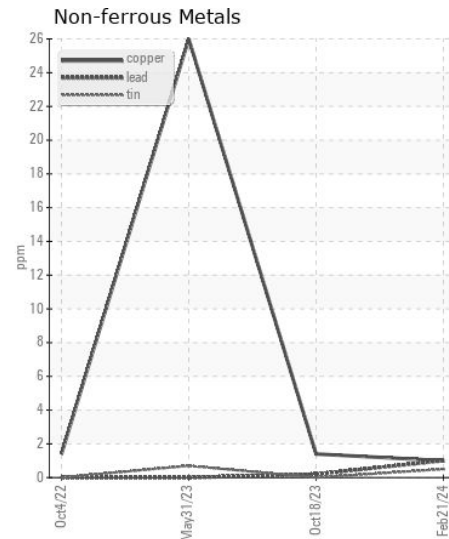
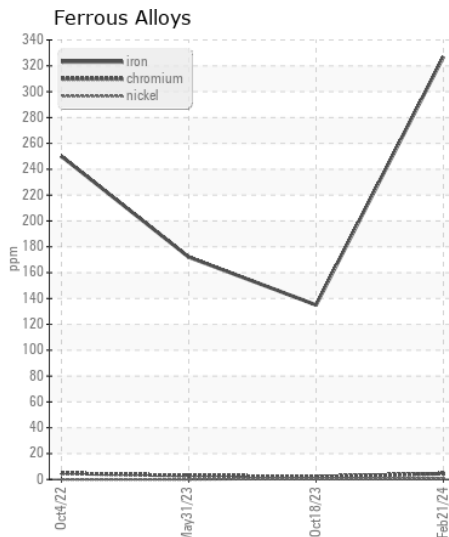
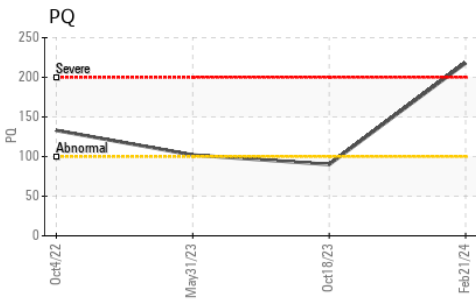
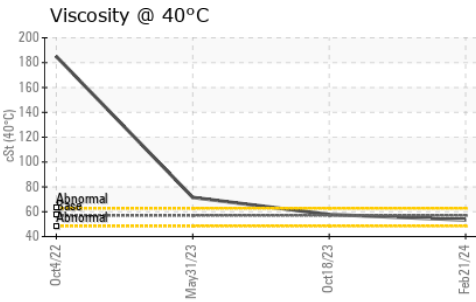
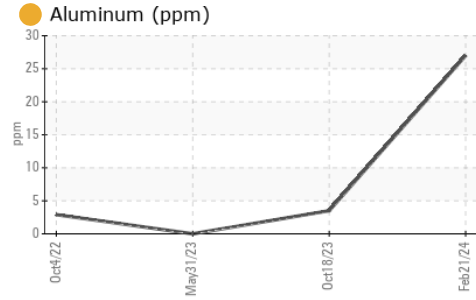
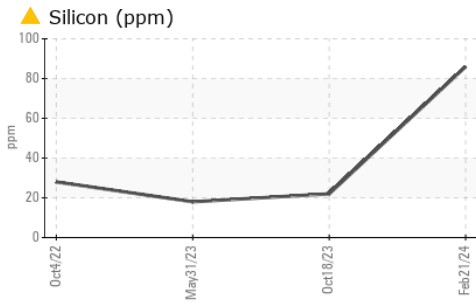
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0047402	LEC0044256	LEC0041749
Sample Date		Client Info		21 Feb 2024	18 Oct 2023	31 May 2023
Machine Age	hrs	Client Info		2329	1724	1113
Oil Age	hrs	Client Info		605	611	1113
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	None
Sample Status				ABNORMAL	ATTENTION	ATTENTION

PQ		ASTM D8184		218	90	102
Iron	ppm	ASTM D5185m	>1250	327	135	172
Chromium	ppm	ASTM D5185m	>10	4	2	3
Nickel	ppm	ASTM D5185m	>10	<1	<1	0
Titanium	ppm	ASTM D5185m		2	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		27	4	0
Lead	ppm	ASTM D5185m		1	<1	0
Copper	ppm	ASTM D5185m		1	1	26
Tin	ppm	ASTM D5185m		<1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	MODER	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m		86	22	18
Potassium	ppm	ASTM D5185m	>20	7	3	0
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	LIGHT	NONE	LIGHT
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

Sodium	ppm	ASTM D5185m		2	0	1
Boron	ppm	ASTM D5185m	6	7	16	38
Barium	ppm	ASTM D5185m	0	0	10	0
Molybdenum	ppm	ASTM D5185m	0	3	4	3
Manganese	ppm	ASTM D5185m		4	2	3
Magnesium	ppm	ASTM D5185m	145	113	100	69
Calcium	ppm	ASTM D5185m	3570	3392	3123	2446
Phosphorus	ppm	ASTM D5185m	1290	987	1054	790
Zinc	ppm	ASTM D5185m	1640	1229	1177	820
Sulfur	ppm	ASTM D5185m		3698	5229	6495
Visc @ 40°C	cSt	ASTM D445	57.0	53.3	57.8	71.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0047402 **Received** : 26 Feb 2024
Lab Number : 06100377 **Tested** : 27 Feb 2024
Unique Number : 10898607 **Diagnosed** : 28 Feb 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:
 F: (740)373-5570