



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[RO#145534]
 Machine Id
JOHN DEERE 210GLC 1FF210GXTNF529858
 Component
Right Propel Gearbox
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (2 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0047036	LEC0043774	LEC0036220
Sample Date		Client Info		15 Jan 2024	02 Aug 2023	14 Oct 2022
Machine Age	hrs	Client Info		1445	915	368
Oil Age	hrs	Client Info		530	547	368
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	None	None
Sample Status				NORMAL	ATTENTION	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		144	247	227
Iron	ppm	ASTM D5185m	>1250	271	491	269
Chromium	ppm	ASTM D5185m	>10	3	7	4
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		2	3	<1
Lead	ppm	ASTM D5185m		0	<1	0
Copper	ppm	ASTM D5185m		<1	2	<1
Tin	ppm	ASTM D5185m		0	0	0
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

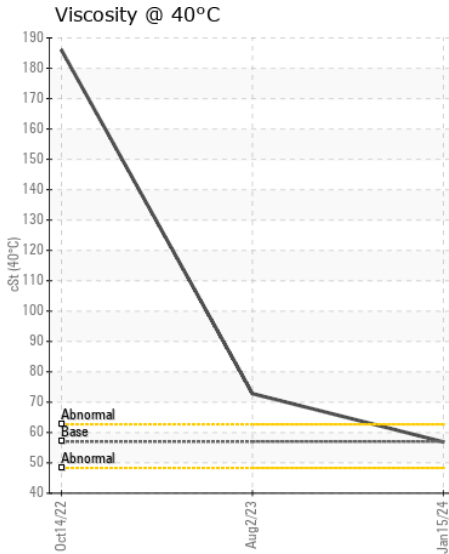
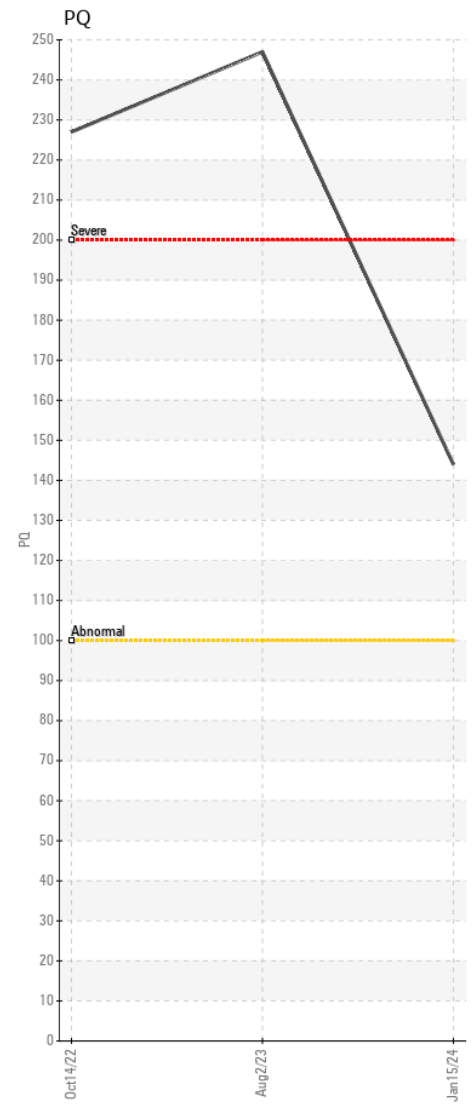
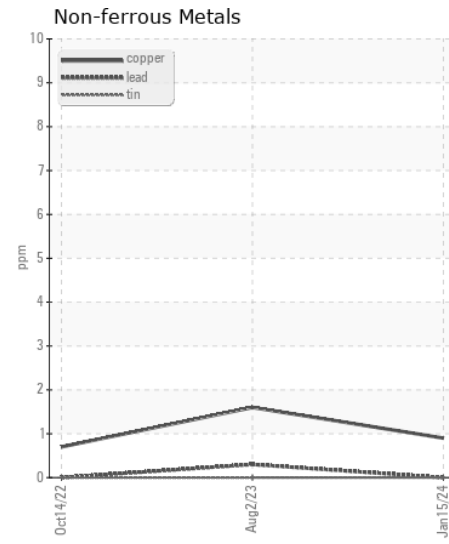
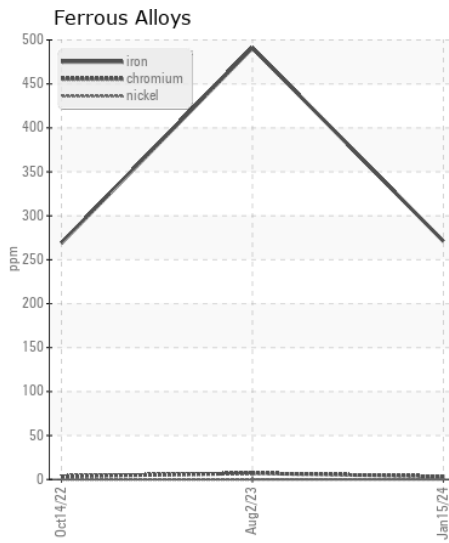
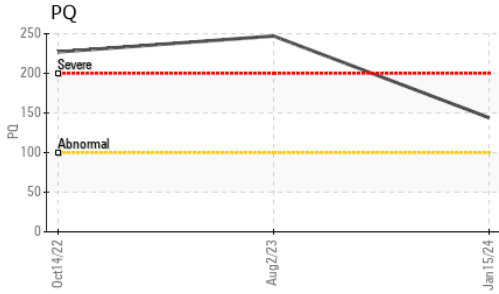
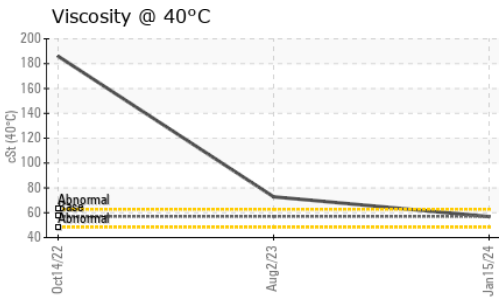
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		14	23	19
Potassium	ppm	ASTM D5185m	>20	2	2	0
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	MODER	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 condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		0	1	0
Boron	ppm	ASTM D5185m	6	17	43	59
Barium	ppm	ASTM D5185m	0	3	2	0
Molybdenum	ppm	ASTM D5185m	0	8	4	0
Manganese	ppm	ASTM D5185m		3	7	6
Magnesium	ppm	ASTM D5185m	145	124	▲ 89	0
Calcium	ppm	ASTM D5185m	3570	3115	▲ 2615	0
Phosphorus	ppm	ASTM D5185m	1290	943	▲ 862	499
Zinc	ppm	ASTM D5185m	1640	1248	▲ 960	13
Sulfur	ppm	ASTM D5185m		4093	▲ 6976	17204
Visc @ 40°C	cSt	ASTM D445	57.0	56.9	▲ 72.8	186



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0047036 **Received** : 18 Jan 2024
Lab Number : 06064580 **Diagnosed** : 19 Jan 2024
Unique Number : 10835962 **Diagnostician** : Wes Davis
Test Package : CONST (Additional Tests: PQ)

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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