



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[147844]
 Machine Id
JOHN DEERE 210G 1FF210GXCMF529694
 Component
Left Final Drive
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (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		LEC0048096	LEC0042447	LEC0035735
Sample Date		Client Info		21 Feb 2024	31 May 2023	28 Nov 2022
Machine Age	hrs	Client Info		1369	831	412
Oil Age	hrs	Client Info		538	831	412
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	None	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	83	170	128
Iron	ppm	ASTM D5185m	>750	150	221	127
Chromium	ppm	ASTM D5185m	>9	3	4	3
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	1	0	<1
Lead	ppm	ASTM D5185m	>15	<1	0	0
Copper	ppm	ASTM D5185m	>40	<1	1	0
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	MODER	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

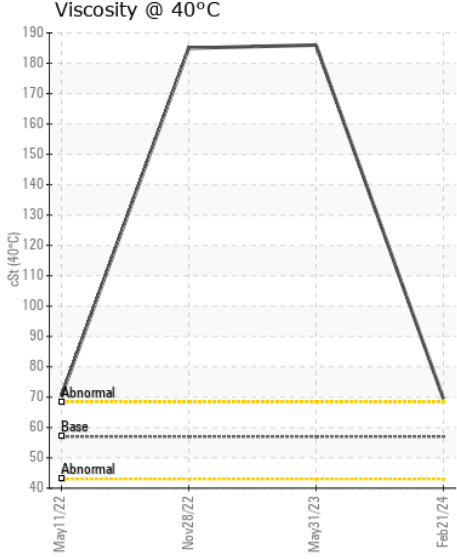
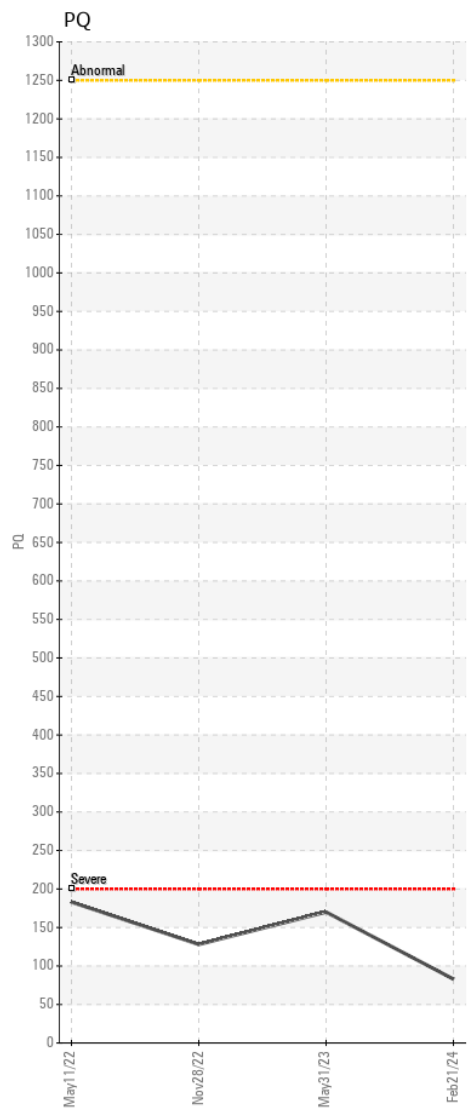
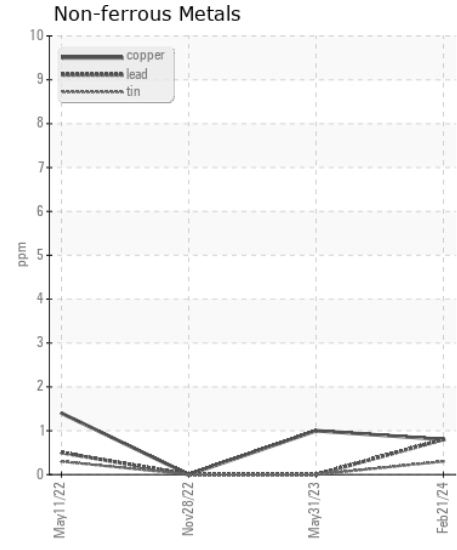
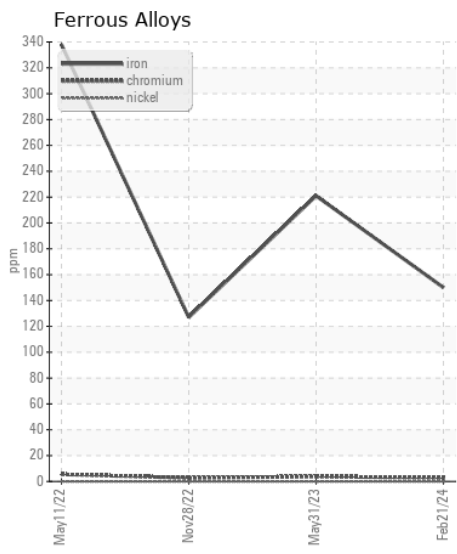
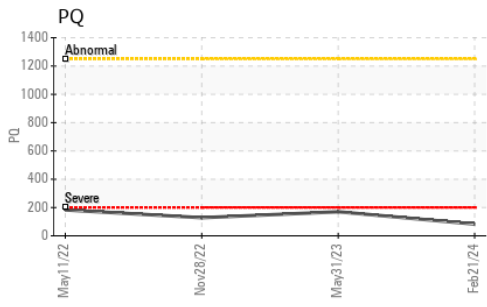
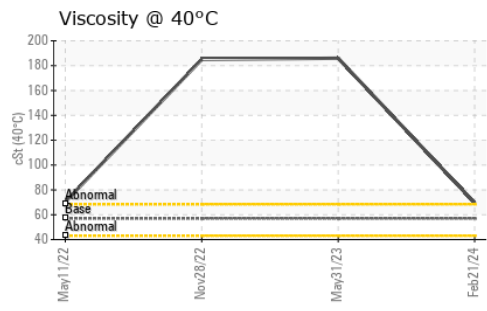
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	21	25	22
Potassium	ppm	ASTM D5185m	>20	<1	0	0
Water		WC Method	>0.075	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	>0.075	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	1	<1	0
Boron	ppm	ASTM D5185m	6	32	68	83
Barium	ppm	ASTM D5185m	0	<1	0	6
Molybdenum	ppm	ASTM D5185m	0	3	0	0
Manganese	ppm	ASTM D5185m		3	4	3
Magnesium	ppm	ASTM D5185m	145	84	0	0
Calcium	ppm	ASTM D5185m	3570	2465	19	14
Phosphorus	ppm	ASTM D5185m	1290	859	457	494
Zinc	ppm	ASTM D5185m	1640	893	7	13
Sulfur	ppm	ASTM D5185m		5301	16394	16618
Visc @ 40°C	cSt	ASTM D445	57.0	69.5	186	185



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0048096 **Received** : 23 Feb 2024
Lab Number : 06099437 **Tested** : 27 Feb 2024
Unique Number : 10897667 **Diagnosed** : 27 Feb 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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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)