



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Store 4 - Fairmont [RO# 152448]
Machine Id
JOHN DEERE 210G 1FF210GXJNF530285
Component
Left 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		LEC0048314	LEC0043863	LEC0037168
Sample Date		Client Info		24 Jun 2024	17 Oct 2023	03 Jan 2023
Machine Age	hrs	Client Info		1103	735	283
Oil Age	hrs	Client Info		368	452	283
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	ATTENTION	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		123	154	235
Iron	ppm	ASTM D5185m	>1250	207	429	191
Chromium	ppm	ASTM D5185m	>10	3	6	5
Nickel	ppm	ASTM D5185m	>10	1	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m		2	2	2
Lead	ppm	ASTM D5185m		0	0	0
Copper	ppm	ASTM D5185m		2	2	1
Tin	ppm	ASTM D5185m		0	<1	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

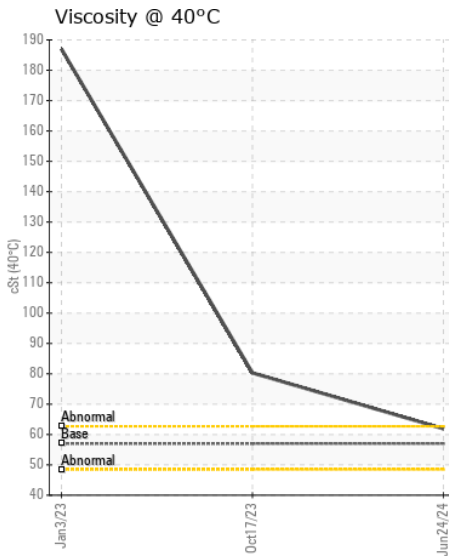
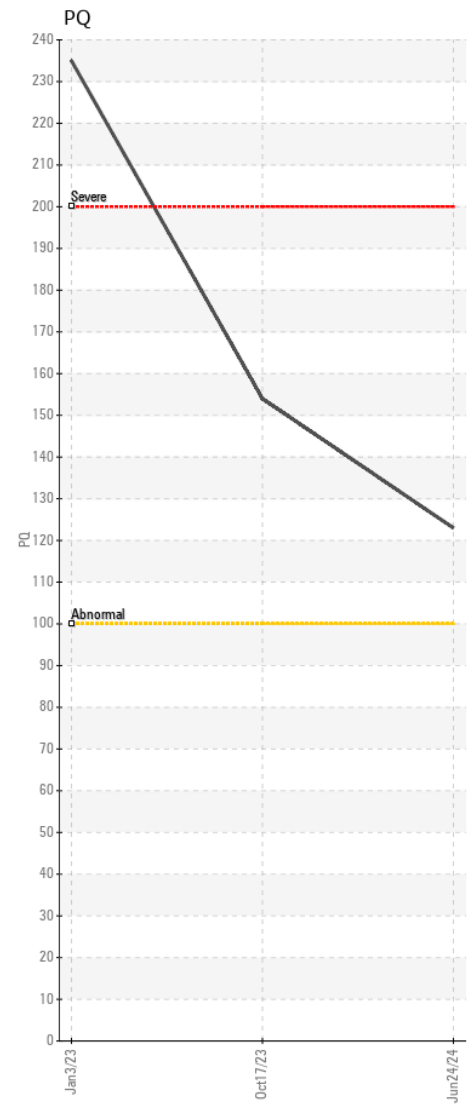
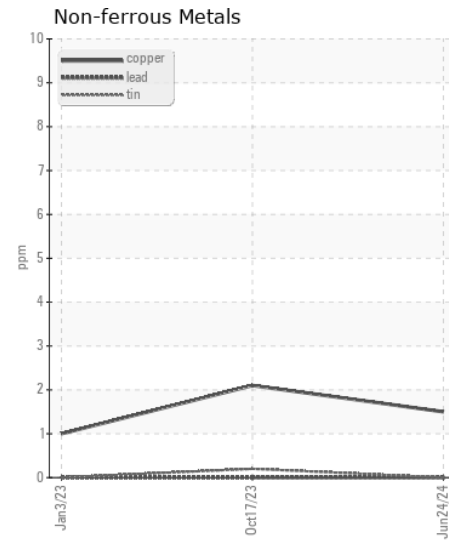
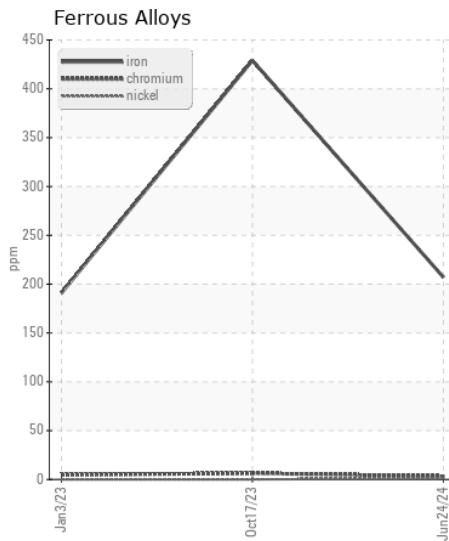
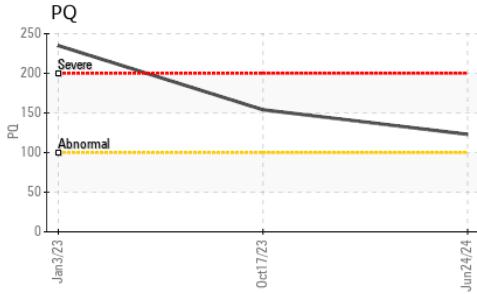
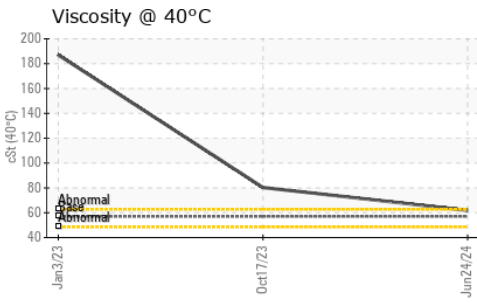
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		15	24	17
Potassium	ppm	ASTM D5185m	>20	4	<1	0
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 condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		3	1	<1
Boron	ppm	ASTM D5185m	6	14	38	88
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	<1
Manganese	ppm	ASTM D5185m		4	6	4
Magnesium	ppm	ASTM D5185m	145	96	32	2
Calcium	ppm	ASTM D5185m	3570	3114	2296	30
Phosphorus	ppm	ASTM D5185m	1290	1013	827	500
Zinc	ppm	ASTM D5185m	1640	1180	830	26
Sulfur	ppm	ASTM D5185m		5561	7645	17572
Visc @ 40°C	cSt	ASTM D445	57.0	61.9	80.3	187



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0048314 **Received** : 28 Jun 2024
Lab Number : **06223734** **Tested** : 29 Jun 2024
Unique Number : 11101931 **Diagnosed** : 29 Jun 2024 - 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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