



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION



Area
Store 8 - Pikeville
Machine Id
JOHN DEERE 210G 1FF210GXENF530294
Component
Left Final Drive
Fluid
JOHN DEERE GL-5 80W90 (2 GAL)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0042294	LEC0038851	LEC0033652
Sample Date		Client Info		07 Jun 2023	25 Jan 2023	20 Oct 2022
Machine Age	hrs	Client Info		1401	805	454
Oil Age	hrs	Client Info		596	351	454
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		None	N/A	N/A
Sample Status				ATTENTION	ATTENTION	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	132	30	168
Iron	ppm	ASTM D5185m	>500	335	25	245
Chromium	ppm	ASTM D5185m	>10	5	<1	4
Nickel	ppm	ASTM D5185m		<1	0	0
Titanium	ppm	ASTM D5185m		1	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	5	<1	2
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>50	<1	0	<1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	MODER	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

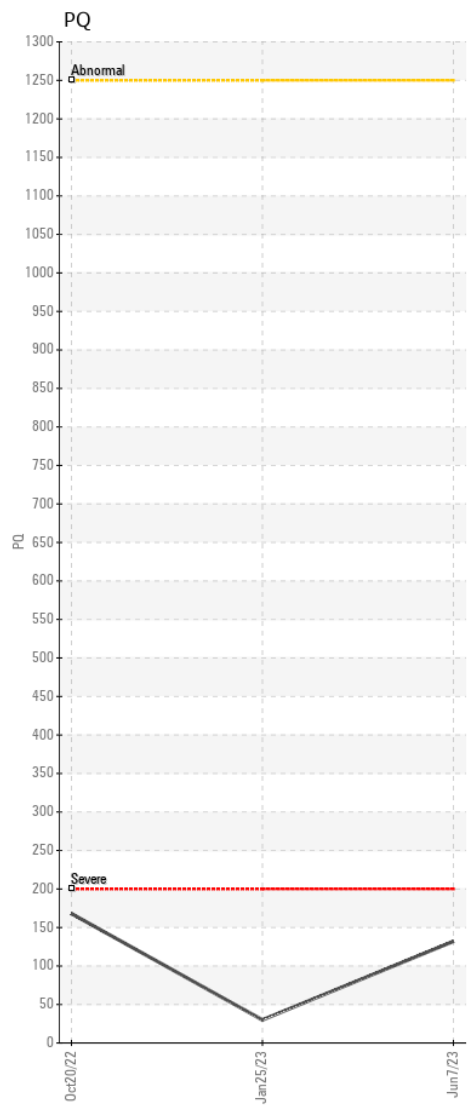
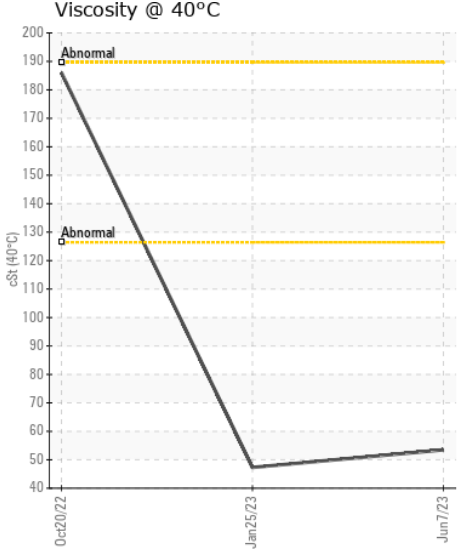
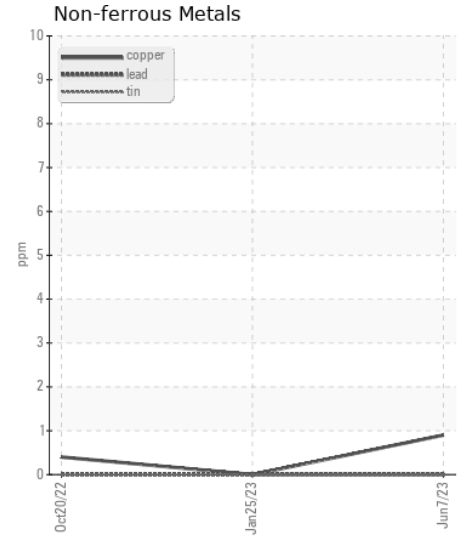
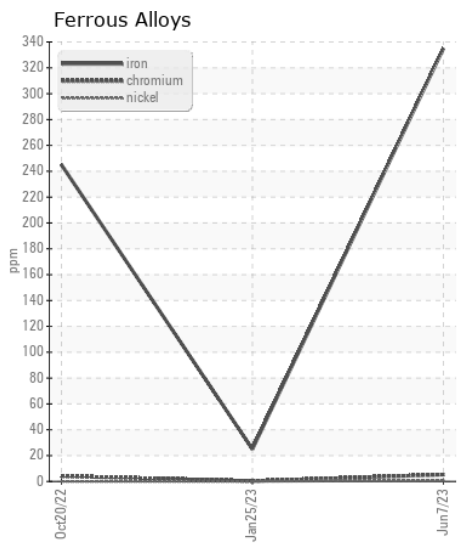
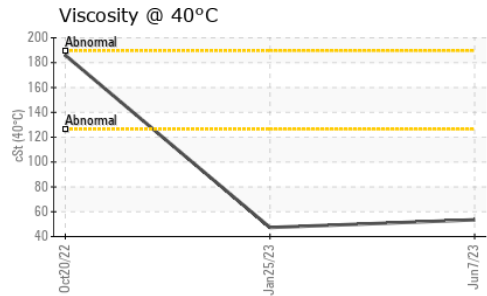
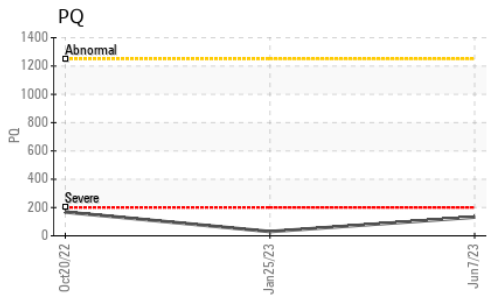
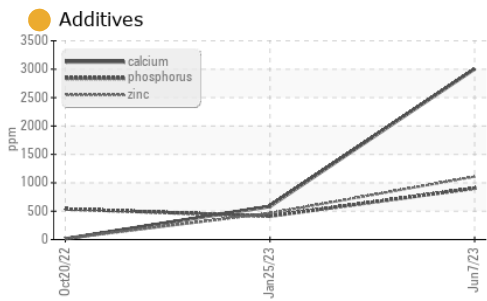
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	48	4	14
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

Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	<1	<1	0
Boron	ppm	ASTM D5185m		7	4	93
Barium	ppm	ASTM D5185m		0	0	5
Molybdenum	ppm	ASTM D5185m		3	3	<1
Manganese	ppm	ASTM D5185m		5	<1	5
Magnesium	ppm	ASTM D5185m		94	21	0
Calcium	ppm	ASTM D5185m		3005	584	12
Phosphorus	ppm	ASTM D5185m		903	411	538
Zinc	ppm	ASTM D5185m		1108	464	16
Sulfur	ppm	ASTM D5185m		4255	3832	18392
Visc @ 40°C	cSt	ASTM D445		53.5	47.3	186



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0042294 **Received** : 09 Jun 2023
Lab Number : 05869656 **Tested** : 13 Jun 2023
Unique Number : 10509440 **Diagnosed** : 13 Jun 2023 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

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Certificate L2367
 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)