



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION



Machine Id
JOHN DEERE 210G 1FF210GXKNF530401
Component
Pump Drive
Fluid
JOHN DEERE GL-5 80W90 (--- 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		JR0207833	JR0188728	JR0188723
Sample Date		Client Info		23 May 2024	15 Sep 2023	15 Sep 2023
Machine Age	hrs	Client Info		1027	561	561
Oil Age	hrs	Client Info		1027	561	561
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		26	142	10
Iron	ppm	ASTM D5185m	>151	94	185	24
Chromium	ppm	ASTM D5185m	>11	2	3	<1
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	>21	8	<1	1
Lead	ppm	ASTM D5185m	>51	0	0	0
Copper	ppm	ASTM D5185m	>51	2	1	<1
Tin	ppm	ASTM D5185m	>4	0	0	<1
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	MODER	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

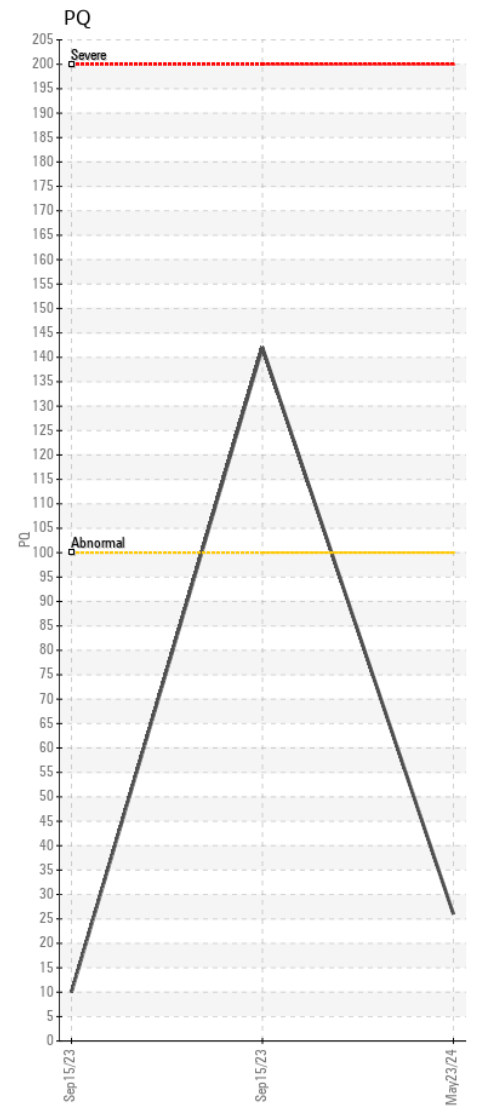
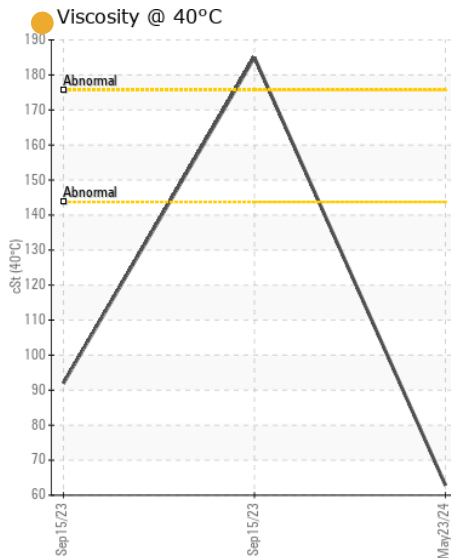
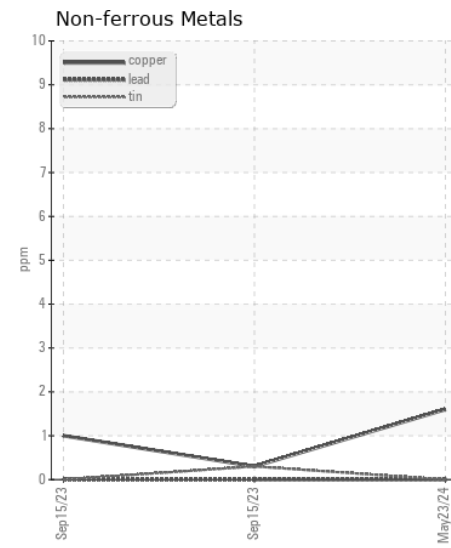
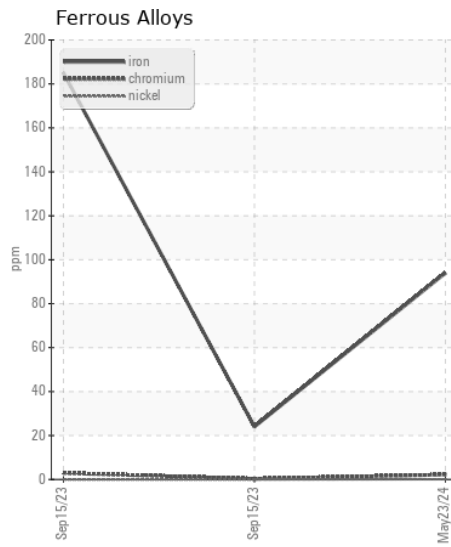
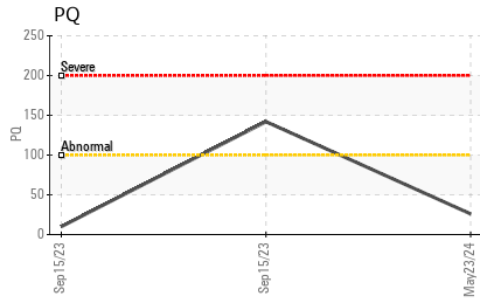
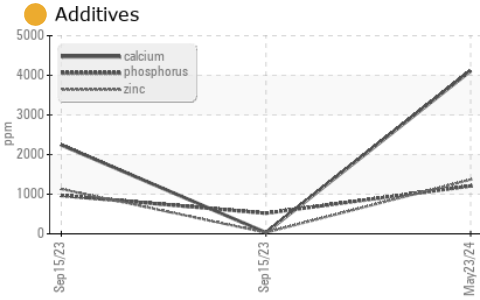
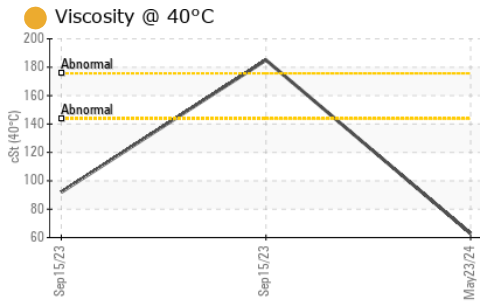
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	27	24	11
Potassium	ppm	ASTM D5185m	>20	5	0	2
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	▲ MODER
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	>0.1	NEG	NEG	NEG

FLUID CONDITION

The oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Sodium	ppm	ASTM D5185m	>51	4	1	3
Boron	ppm	ASTM D5185m		64	77	225
Barium	ppm	ASTM D5185m		6	<1	0
Molybdenum	ppm	ASTM D5185m		112	3	200
Manganese	ppm	ASTM D5185m		4	4	1
Magnesium	ppm	ASTM D5185m		16	6	551
Calcium	ppm	ASTM D5185m		4113	31	2242
Phosphorus	ppm	ASTM D5185m		1206	519	967
Zinc	ppm	ASTM D5185m		1366	30	1129
Sulfur	ppm	ASTM D5185m		9677	17810	5646
Visc @ 40°C	cSt	ASTM D445		62.9	185	92.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0207833 **Received** : 28 May 2024
Lab Number : 06192510 **Tested** : 30 May 2024
Unique Number : 11049262 **Diagnosed** : 30 May 2024 - Sean Felton
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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