



WEAR	ATTENTION
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Area
[W66809]
 Machine Id
JOHN DEERE 210G 1FF210GXJNF530688
 Component
Left Final Drive
 Fluid
GEAR OIL SAE 80W90 (2 GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor. (Customer Sample Comment: W66809)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0215008	JR0206511	JR0177493
Sample Date		Client Info		09 May 2024	04 Mar 2024	26 Oct 2023
Machine Age	hrs	Client Info		1467	1041	663
Oil Age	hrs	Client Info		1467	1041	663
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Not Changed	N/A	Not Changed
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	231	28	16
Iron	ppm	ASTM D5185m	>750	419	30	4
Chromium	ppm	ASTM D5185m	>9	7	<1	<1
Nickel	ppm	ASTM D5185m	>10	1	0	<1
Titanium	ppm	ASTM D5185m		5	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	51	2	2
Lead	ppm	ASTM D5185m	>15	0	0	<1
Copper	ppm	ASTM D5185m	>40	2	<1	<1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

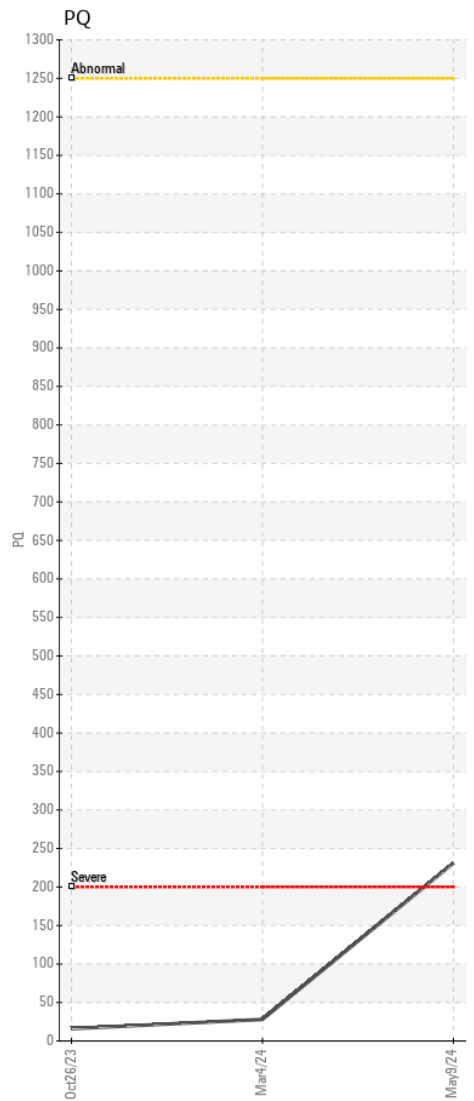
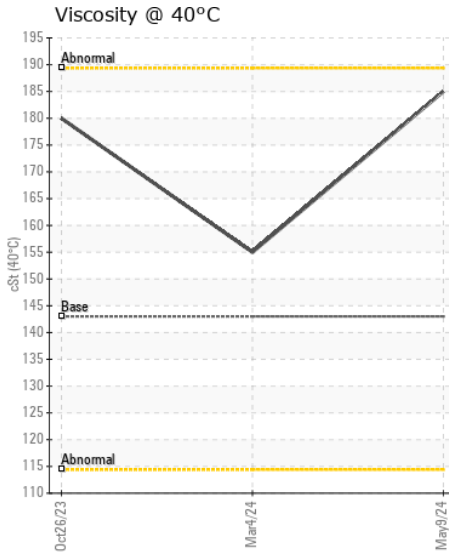
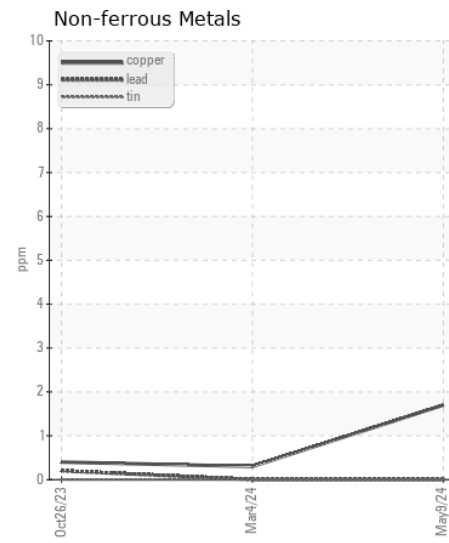
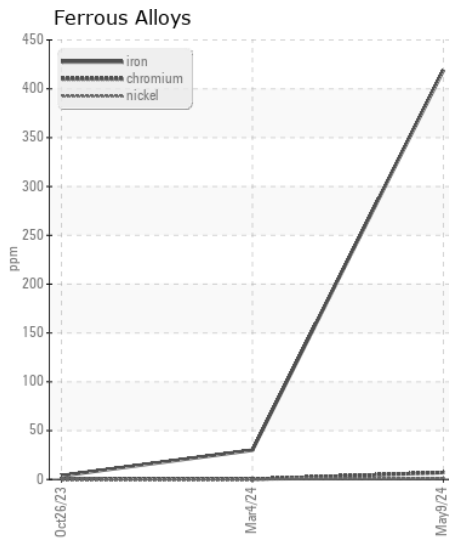
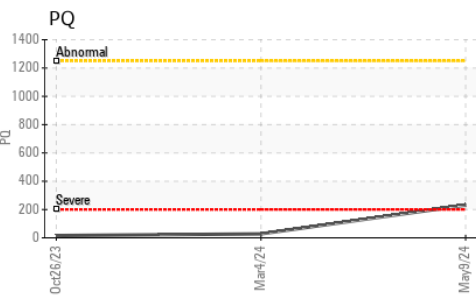
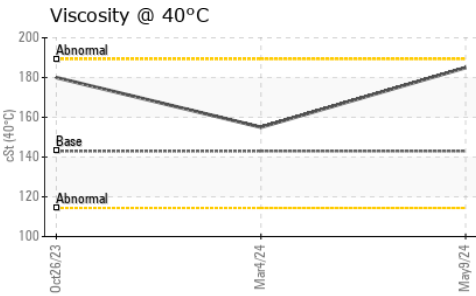
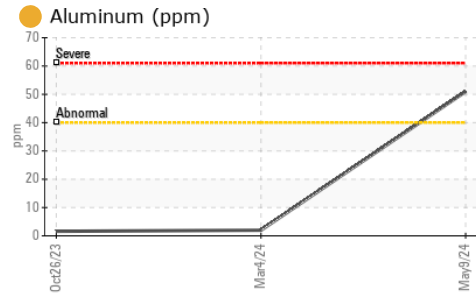
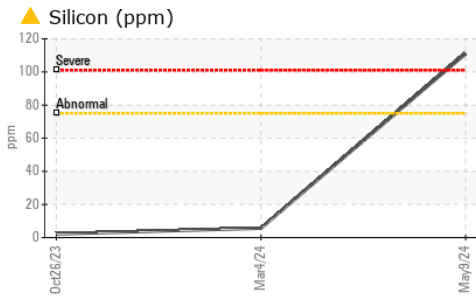
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	▲ 111	6	2
Potassium	ppm	ASTM D5185m	>20	13	2	1
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	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	>170	<1	0	<1
Boron	ppm	ASTM D5185m	400	62	22	0
Barium	ppm	ASTM D5185m	200	6	1	4
Molybdenum	ppm	ASTM D5185m	12	<1	3	<1
Manganese	ppm	ASTM D5185m		8	<1	<1
Magnesium	ppm	ASTM D5185m	12	5	2	2
Calcium	ppm	ASTM D5185m	150	72	101	34
Phosphorus	ppm	ASTM D5185m	1650	537	359	929
Zinc	ppm	ASTM D5185m	125	49	34	5
Sulfur	ppm	ASTM D5185m	22500	14978	18071	25541
Visc @ 40°C	cSt	ASTM D445	143	185	155	180



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0215008 **Received** : 10 May 2024
Lab Number : 06175769 **Tested** : 13 May 2024
Unique Number : 11021822 **Diagnosed** : 14 May 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

CARLTON'S BACKHOE
 9550 STATESVILLE ROAD
 CHARLOTTE, NC
 US 28269
 Contact: LEO

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)

T: (704)547-0211
F: