



WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION
ABNORMAL
NORMAL



Area
[W66809]
Machine Id
JOHN DEERE 210G 1FF210GXJNF530688
Component
Right Final Drive
Fluid
JOHN DEERE GL-5 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		JR0215067	JR0206508	JR0177492
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 Changd	Not Changd	Not Changd
Filter Changed		Client Info		Not Changd	N/A	Not Changd
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	210	22	10
Iron	ppm	ASTM D5185m	>750	628	20	2
Chromium	ppm	ASTM D5185m	>9	11	<1	<1
Nickel	ppm	ASTM D5185m	>10	2	0	<1
Titanium	ppm	ASTM D5185m		7	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	76	2	2
Lead	ppm	ASTM D5185m	>15	<1	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

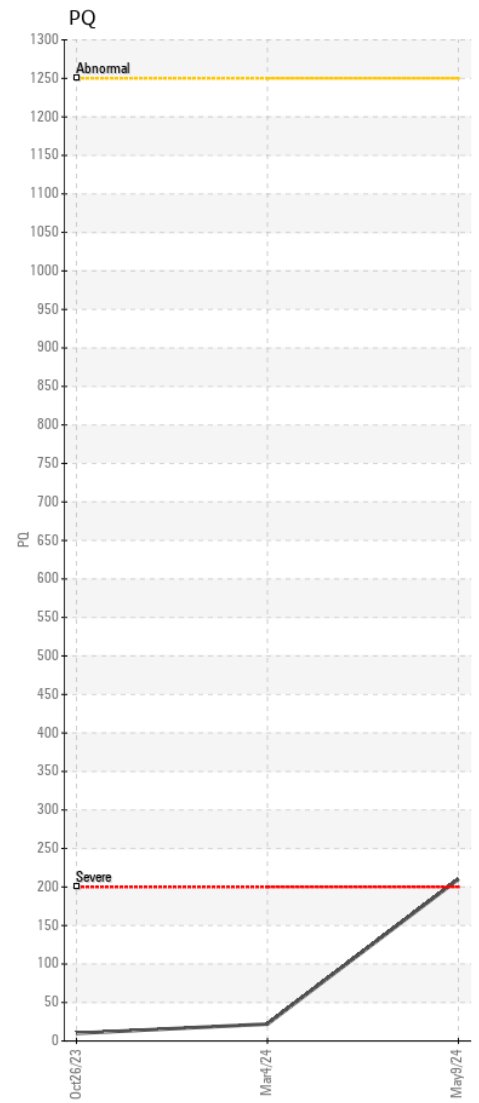
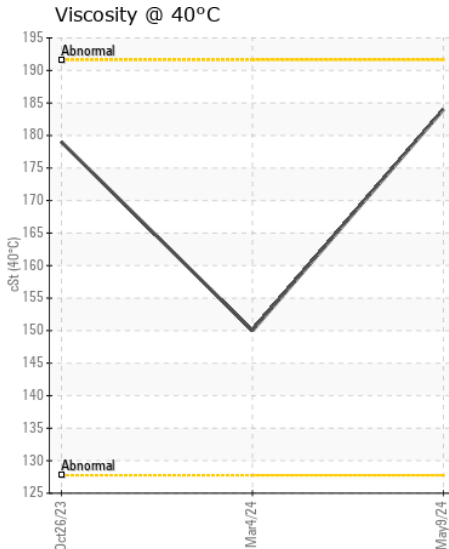
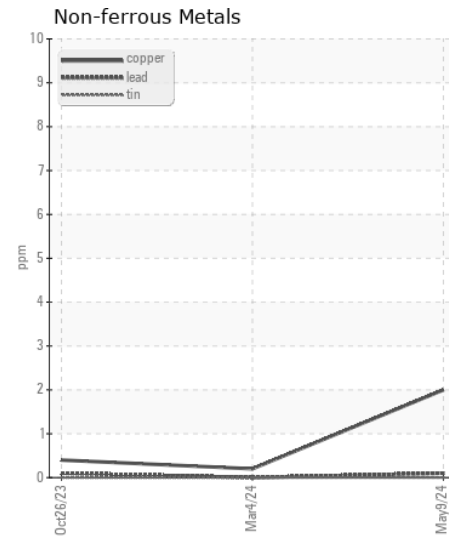
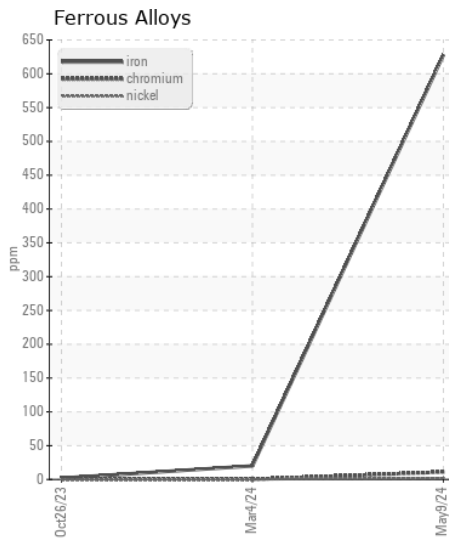
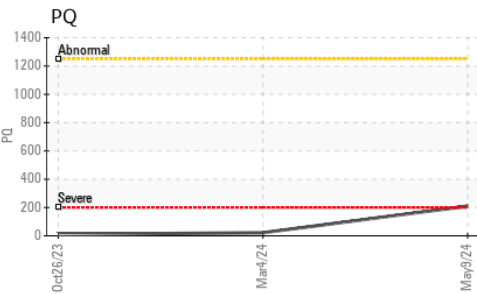
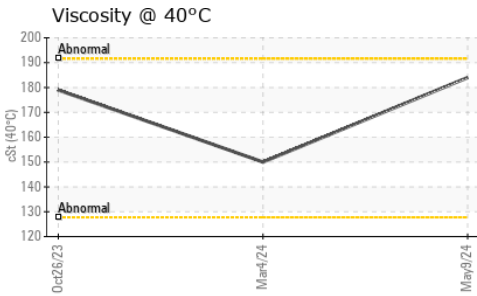
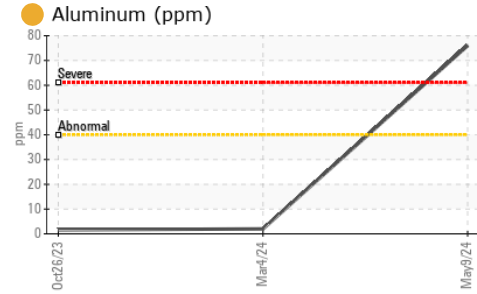
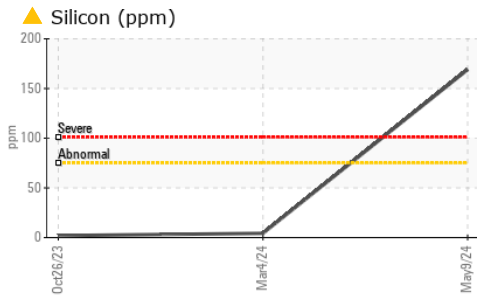
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	169	4	2
Potassium	ppm	ASTM D5185m	>20	19	2	1
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	LIGHT	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	2	0	0
Boron	ppm	ASTM D5185m		97	14	0
Barium	ppm	ASTM D5185m		10	1	4
Molybdenum	ppm	ASTM D5185m		<1	0	<1
Manganese	ppm	ASTM D5185m		12	0	0
Magnesium	ppm	ASTM D5185m		3	3	2
Calcium	ppm	ASTM D5185m		22	14	5
Phosphorus	ppm	ASTM D5185m		838	310	906
Zinc	ppm	ASTM D5185m		61	7	0
Sulfur	ppm	ASTM D5185m		23263	18617	27443
Visc @ 40°C	cSt	ASTM D445		184	150	179



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0215067 **Received** : 10 May 2024
Lab Number : 06175771 **Tested** : 13 May 2024
Unique Number : 11021824 **Diagnosed** : 14 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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