



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
JOHN DEERE 210G 1FF210GXCMF529131
Component
Right Final Drive
Fluid
JOHN DEERE GL-5 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0188516	JR0188698	JR0161223
Sample Date		Client Info		05 Jan 2024	19 Sep 2023	04 May 2023
Machine Age	hrs	Client Info		4262	3648	2991
Oil Age	hrs	Client Info		2567	2610	2478
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				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	93	40	52
Iron	ppm	ASTM D5185m	>750	319	80	183
Chromium	ppm	ASTM D5185m	>9	3	0	2
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	2
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	0	<1	12
Lead	ppm	ASTM D5185m	>15	0	0	<1
Copper	ppm	ASTM D5185m	>40	<1	0	10
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

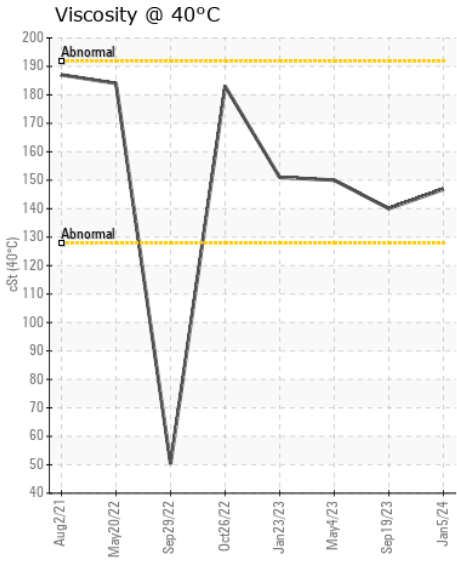
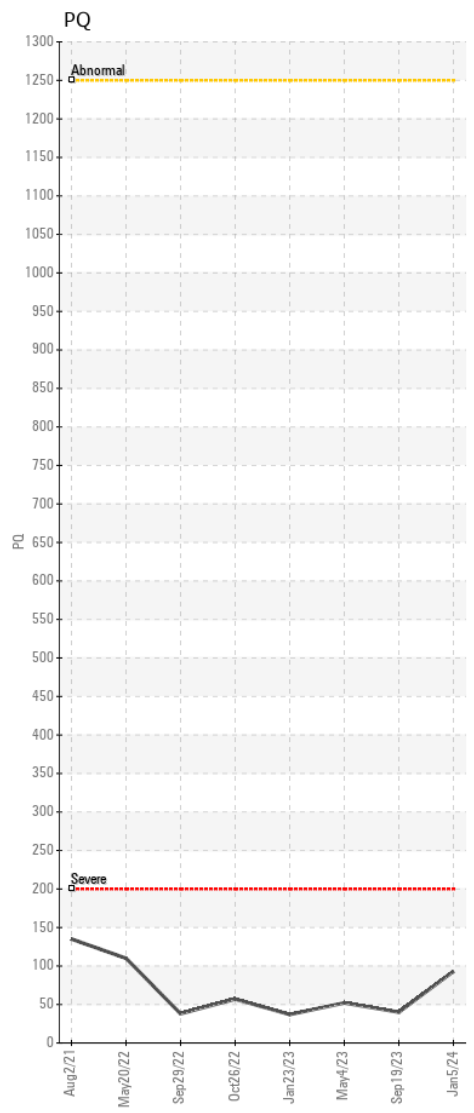
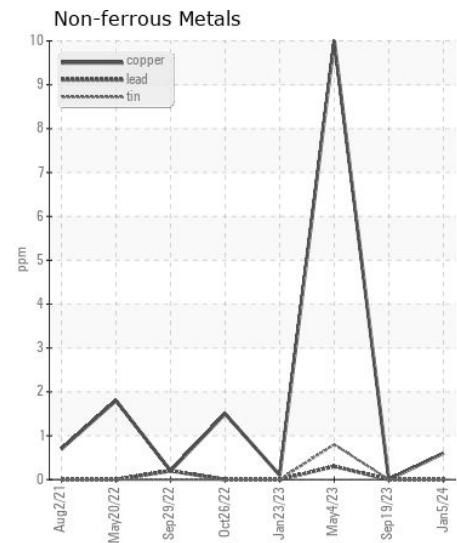
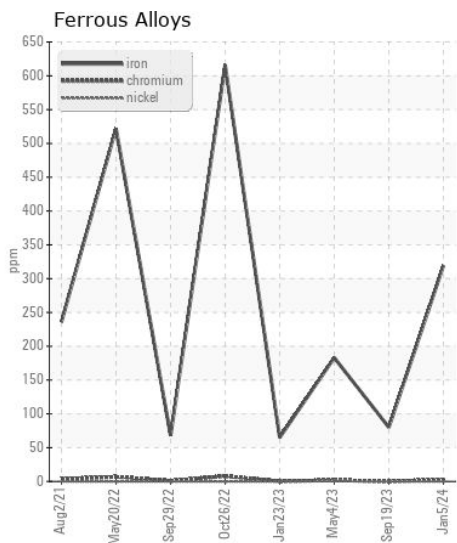
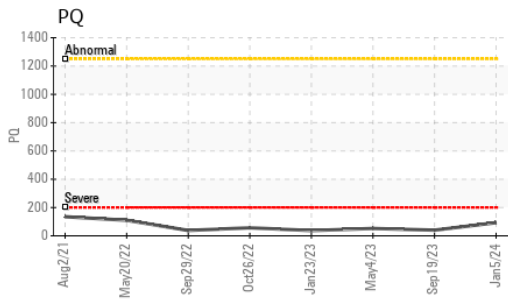
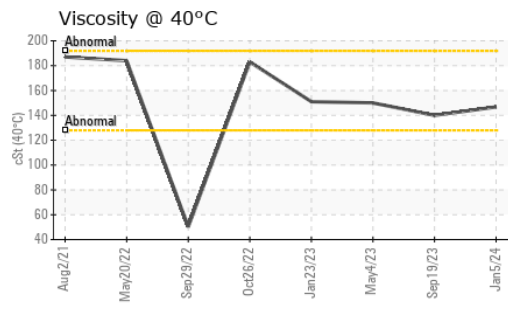
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	10	8	57
Potassium	ppm	ASTM D5185m	>20	2	1	4
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

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	<1	<1	<1
Boron	ppm	ASTM D5185m		121	65	159
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		3	<1	2
Magnesium	ppm	ASTM D5185m		0	<1	5
Calcium	ppm	ASTM D5185m		1	28	10
Phosphorus	ppm	ASTM D5185m		851	993	875
Zinc	ppm	ASTM D5185m		22	17	2
Sulfur	ppm	ASTM D5185m		16289	24292	21736
Visc @ 40°C	cSt	ASTM D445		146.8	140	150



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0188516 **Received** : 10 Jan 2024
Lab Number : 06056913 **Diagnosed** : 12 Jan 2024
Unique Number : 10822862 **Diagnostician** : Jonathan Hester
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)