



WEAR	ATTENTION
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Machine Id
JOHN DEERE 210G 1FF210GXPMF529147

Component
Left Final Drive

Fluid
GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0188479	JR0172149	JR0155238
Sample Date		Client Info		08 Jan 2024	07 Jul 2023	27 Jan 2023
Machine Age	hrs	Client Info		3171	2535	1944
Oil Age	hrs	Client Info		2225	2535	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	203	120	93
Iron	ppm	ASTM D5185m	>750	605	415	521
Chromium	ppm	ASTM D5185m	>9	7	5	8
Nickel	ppm	ASTM D5185m	>10	<1	<1	<1
Titanium	ppm	ASTM D5185m		2	2	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	▲ 41	▲ 37	8
Lead	ppm	ASTM D5185m	>15	0	<1	0
Copper	ppm	ASTM D5185m	>40	2	1	2
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

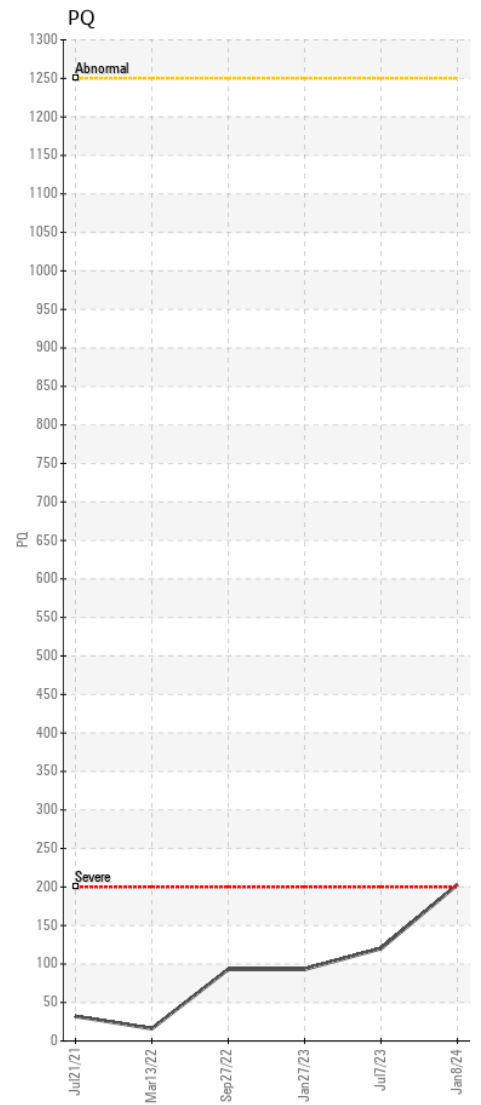
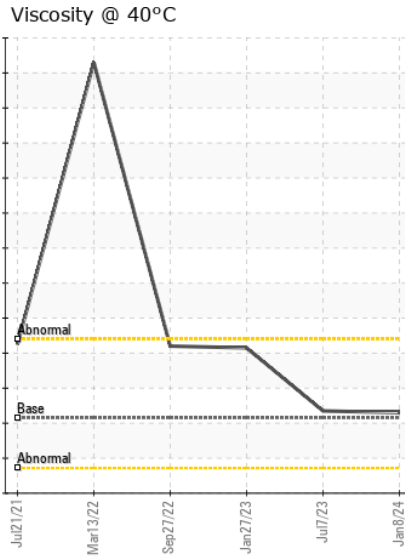
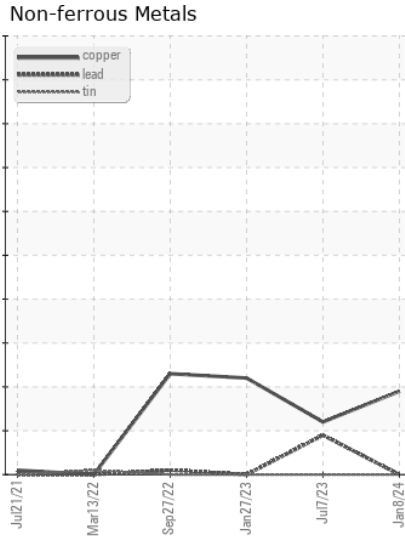
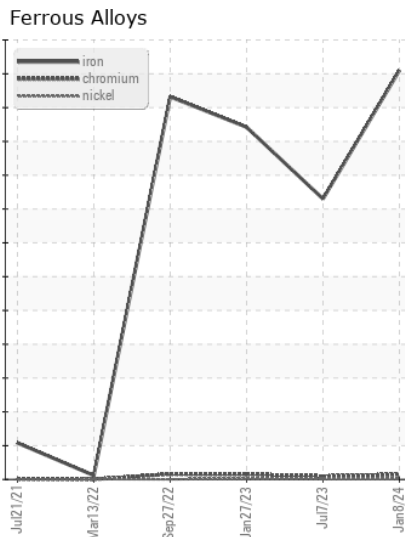
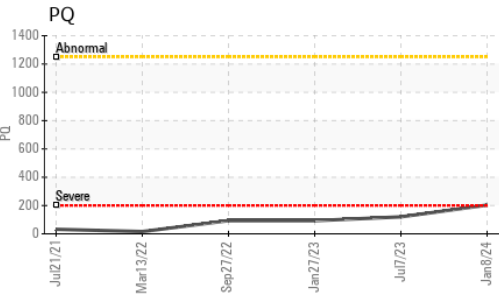
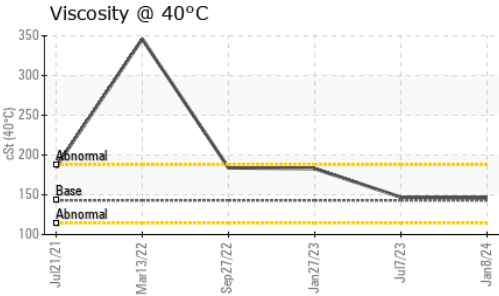
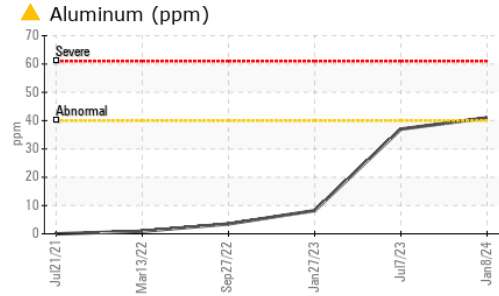
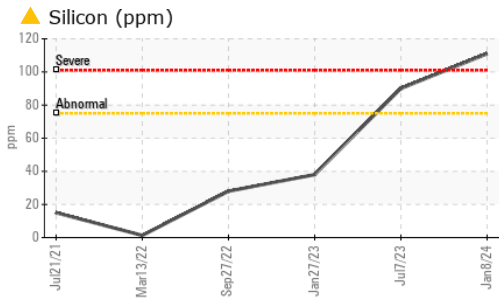
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	▲ 111	▲ 90	38
Potassium	ppm	ASTM D5185m	>20	6	8	6
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	>170	7	6	1
Boron	ppm	ASTM D5185m	400	11	10	50
Barium	ppm	ASTM D5185m	200	2	0	8
Molybdenum	ppm	ASTM D5185m	12	0	0	1
Manganese	ppm	ASTM D5185m		8	6	8
Magnesium	ppm	ASTM D5185m	12	5	4	8
Calcium	ppm	ASTM D5185m	150	13	8	21
Phosphorus	ppm	ASTM D5185m	1650	409	337	512
Zinc	ppm	ASTM D5185m	125	17	0	59
Sulfur	ppm	ASTM D5185m	22500	18390	18288	16869
Visc @ 40°C	cSt	ASTM D445	143	146	147	183



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0188479 **Received** : 17 Jan 2024
Lab Number : 06063051 **Diagnosed** : 18 Jan 2024
Unique Number : 10834433 **Diagnostician** : 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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