



**James River
Equipment**

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
JOHN DEERE 210G 1FF210GXCMF529606
Component
Right 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		JR0213750	JR0158227	---
Sample Date		Client Info		21 May 2024	09 Oct 2023	---
Machine Age	hrs	Client Info		3058	2392	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	N/A	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	334	220	---
Iron	ppm	ASTM D5185m	>750	395	383	---
Chromium	ppm	ASTM D5185m	>9	6	7	---
Nickel	ppm	ASTM D5185m	>10	0	<1	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>40	12	0	---
Lead	ppm	ASTM D5185m	>15	0	0	---
Copper	ppm	ASTM D5185m	>40	3	1	---
Tin	ppm	ASTM D5185m	>10	0	0	---
Vanadium	ppm	ASTM D5185m		0	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

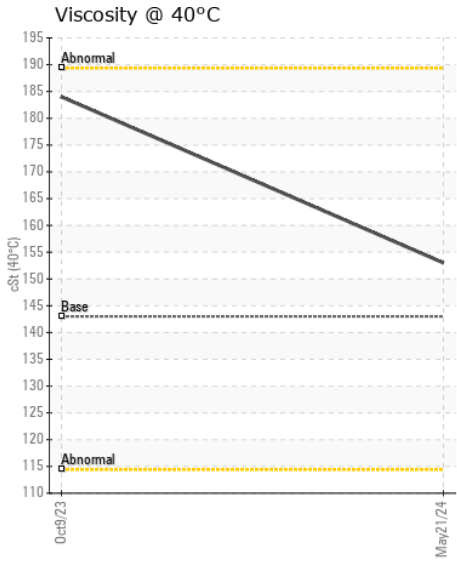
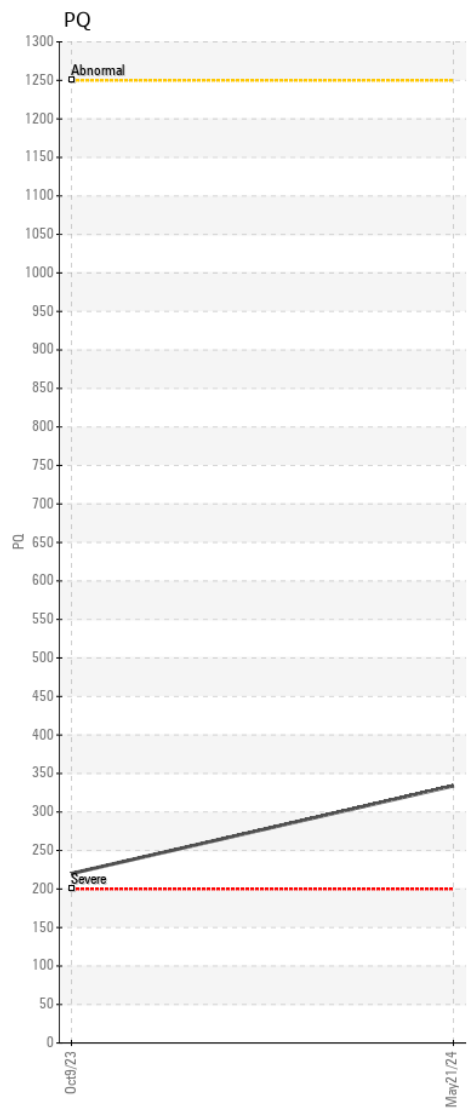
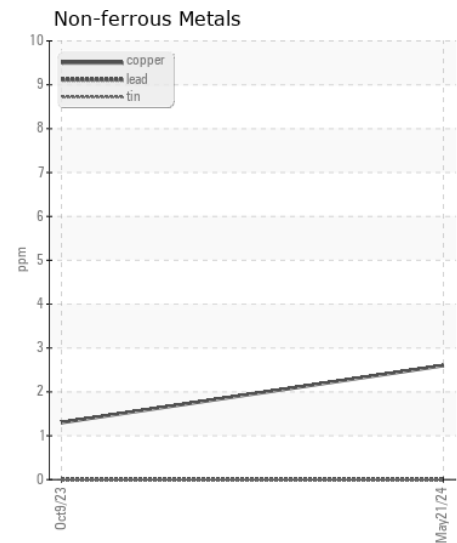
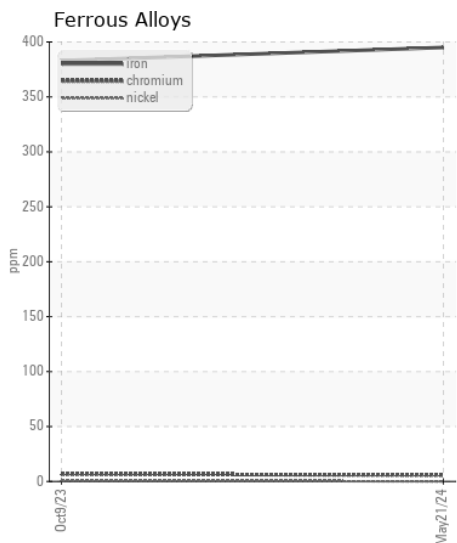
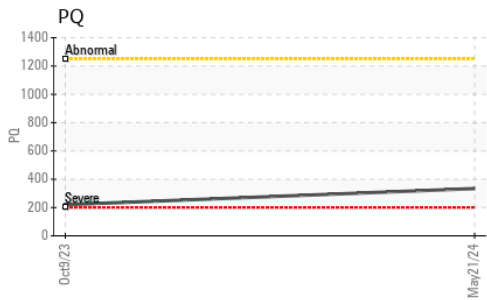
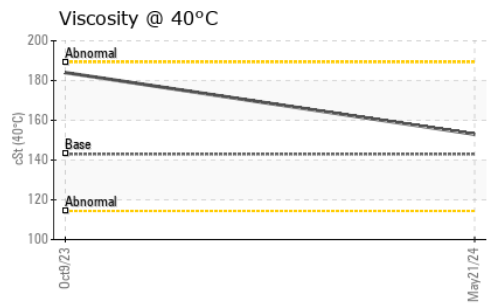
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	53	30	---
Potassium	ppm	ASTM D5185m	>20	<1	4	---
Water		WC Method	>0.075	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.075	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>170	2	0	---
Boron	ppm	ASTM D5185m	400	27	51	---
Barium	ppm	ASTM D5185m	200	4	10	---
Molybdenum	ppm	ASTM D5185m	12	<1	1	---
Manganese	ppm	ASTM D5185m		6	7	---
Magnesium	ppm	ASTM D5185m	12	8	1	---
Calcium	ppm	ASTM D5185m	150	55	39	---
Phosphorus	ppm	ASTM D5185m	1650	226	501	---
Zinc	ppm	ASTM D5185m	125	33	49	---
Sulfur	ppm	ASTM D5185m	22500	20043	17355	---
Visc @ 40°C	cSt	ASTM D445	143	153	184	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0213750 **Received** : 22 May 2024
Lab Number : 06187944 **Tested** : 24 May 2024
Unique Number : 11044696 **Diagnosed** : 24 May 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

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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)