



**James River
Equipment**

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
JOHN DEERE 210G 1FF210GXANF530128
Component
Swing Drive Gear Case
Fluid
NOT GIVEN (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0198409	JR0203589	JR0178011
Sample Date		Client Info		09 Jul 2024	06 Feb 2024	01 Aug 2023
Machine Age	hrs	Client Info		1456	997	465
Oil Age	hrs	Client Info		459	997	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		N/A	N/A	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		109	127	13
Iron	ppm	ASTM D5185m	>200	212	<1	1
Chromium	ppm	ASTM D5185m	>10	4	<1	0
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		2	9	0
Lead	ppm	ASTM D5185m		<1	0	0
Copper	ppm	ASTM D5185m		2	0	<1
Tin	ppm	ASTM D5185m		0	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

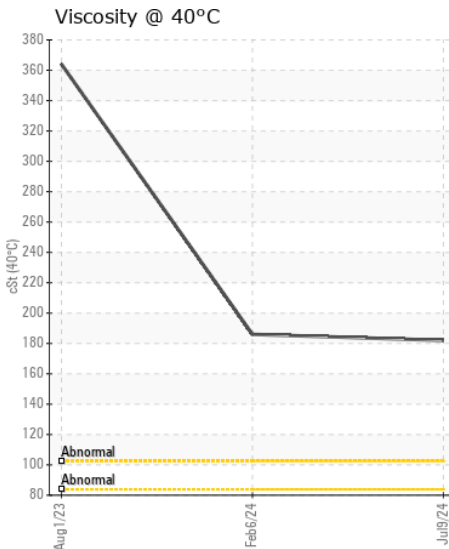
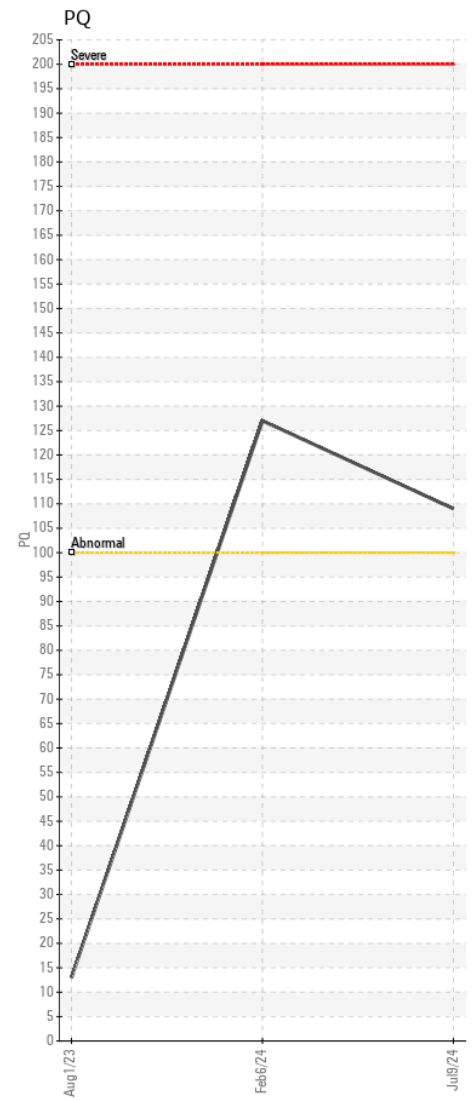
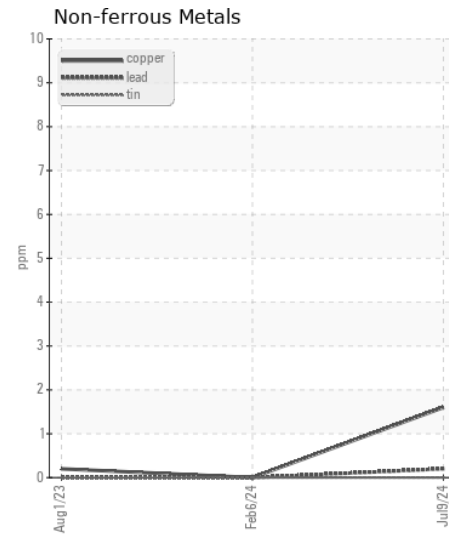
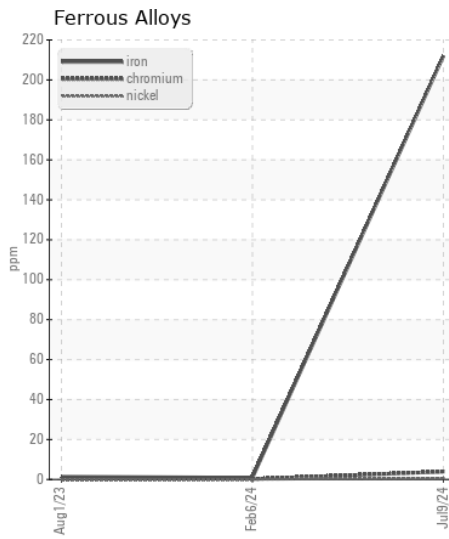
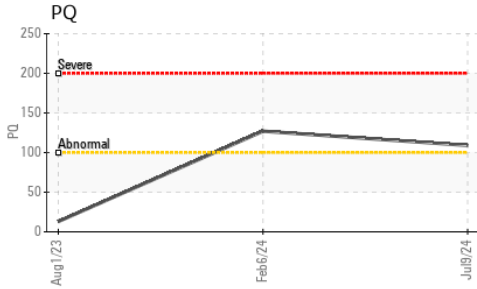
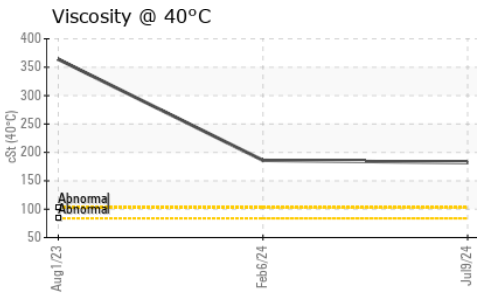
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		23	1	<1
Potassium	ppm	ASTM D5185m	>20	3	7	2
Water		WC Method	>0.2	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	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		0	28	5
Boron	ppm	ASTM D5185m		60	0	0
Barium	ppm	ASTM D5185m		4	7	0
Molybdenum	ppm	ASTM D5185m		8	<1	2
Manganese	ppm	ASTM D5185m		5	0	0
Magnesium	ppm	ASTM D5185m		28	27	5
Calcium	ppm	ASTM D5185m		36	34	61
Phosphorus	ppm	ASTM D5185m		495	38	2375
Zinc	ppm	ASTM D5185m		56	31	29
Sulfur	ppm	ASTM D5185m		14249	51	25056
Visc @ 40°C	cSt	ASTM D445		182	186	364



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0198409 **Received** : 15 Jul 2024
Lab Number : 06236374 **Tested** : 16 Jul 2024
Unique Number : 11125208 **Diagnosed** : 16 Jul 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

JRE - CHARLOTTE
 9550 STATESVILLE ROAD
 CHARLOTTE, NC
 US 28269

Contact: CHARLOTTE SHOP
 myoung@jamesriverequipment.com

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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