



**James River
Equipment**

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[16W16482]
Machine Id
JOHN DEERE 210G 1FF210GXENF530117
Component
Swing Drive Gear Case
Fluid
JOHN DEERE GL-5 80W90 (6 QTS)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: 16W16482)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0217389	JR0196496	JR0161159
Sample Date		Client Info		26 Jun 2024	29 Jan 2024	25 Jul 2023
Machine Age	hrs	Client Info		2479	2061	1470
Oil Age	hrs	Client Info		418	1022	432
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	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		21	23	19
Iron	ppm	ASTM D5185m	>200	26	46	37
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		3	0	<1
Lead	ppm	ASTM D5185m		0	0	0
Copper	ppm	ASTM D5185m		<1	0	0
Tin	ppm	ASTM D5185m		0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

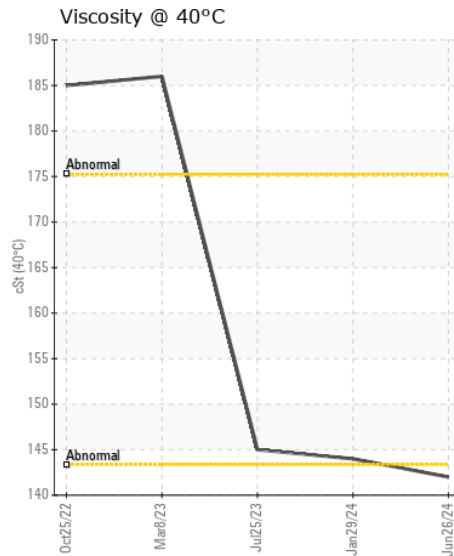
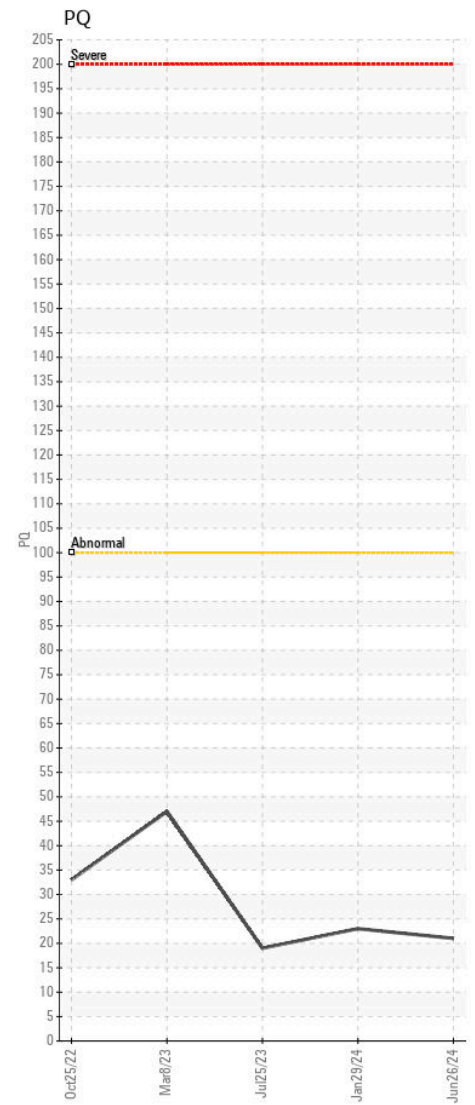
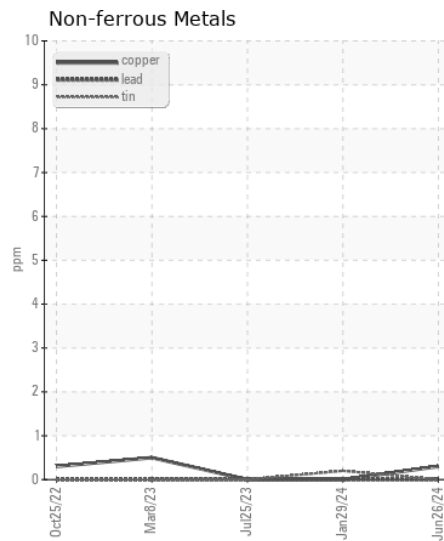
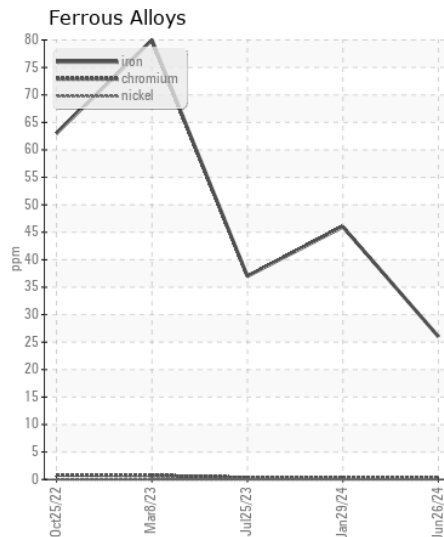
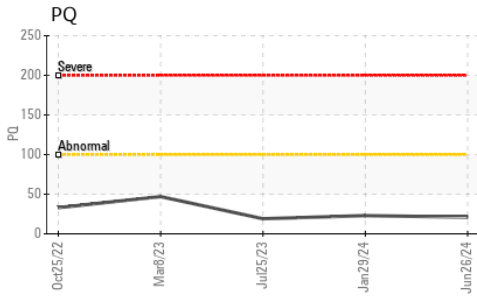
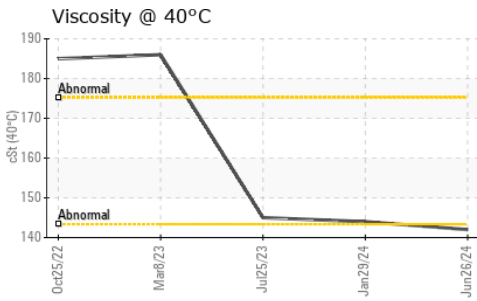
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		5	8	6
Potassium	ppm	ASTM D5185m	>20	<1	<1	0
Water		WC Method	>0.2	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	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		0	0	1
Boron	ppm	ASTM D5185m		8	22	20
Barium	ppm	ASTM D5185m		<1	2	1
Molybdenum	ppm	ASTM D5185m		1	<1	2
Manganese	ppm	ASTM D5185m		<1	1	<1
Magnesium	ppm	ASTM D5185m		5	11	8
Calcium	ppm	ASTM D5185m		5	20	18
Phosphorus	ppm	ASTM D5185m		332	338	391
Zinc	ppm	ASTM D5185m		8	17	8
Sulfur	ppm	ASTM D5185m		20093	16405	22417
Visc @ 40°C	cSt	ASTM D445		142	144	145



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0217389 **Received** : 27 Jun 2024
Lab Number : 06222550 **Tested** : 01 Jul 2024
Unique Number : 11100747 **Diagnosed** : 01 Jul 2024 - Jonathan Hester
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)

JRE - CASTLE HAYNE
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