



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[W8802]
 Machine Id
JOHN DEERE 210G 1FF210GXANF530548
 Component
Swing Drive Gear Case
 Fluid
GEAR OIL SAE 85W90 (6 QTS)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W8802)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0197220	JR0197065	JR0140967
Sample Date		Client Info		22 Apr 2024	24 Jan 2024	25 Jul 2023
Machine Age	hrs	Client Info		1440	972	442
Oil Age	hrs	Client Info		468	972	442
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		34	66	39
Iron	ppm	ASTM D5185m	>200	49	82	59
Chromium	ppm	ASTM D5185m	>10	<1	<1	1
Nickel	ppm	ASTM D5185m	>10	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		2	3	<1
Lead	ppm	ASTM D5185m		<1	<1	0
Copper	ppm	ASTM D5185m		<1	<1	<1
Tin	ppm	ASTM D5185m		<1	<1	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

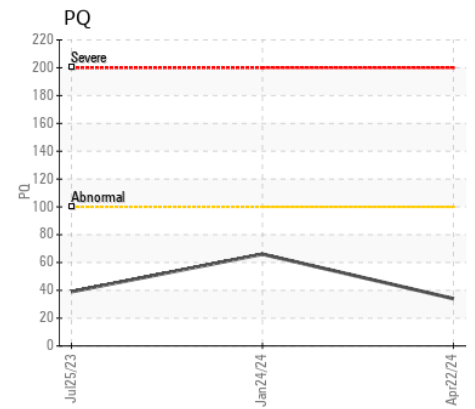
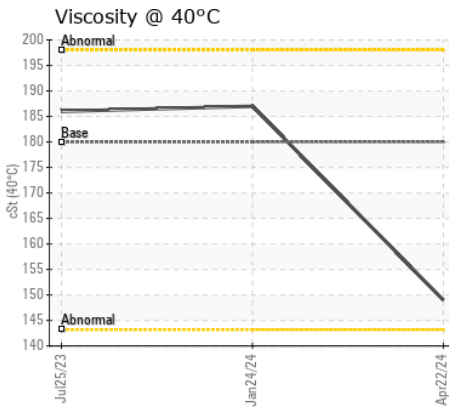
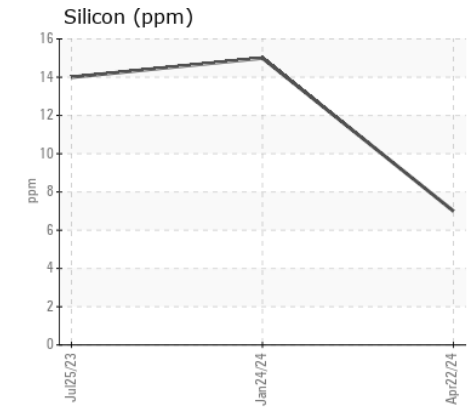
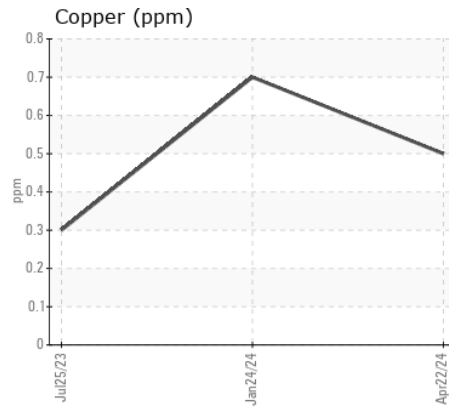
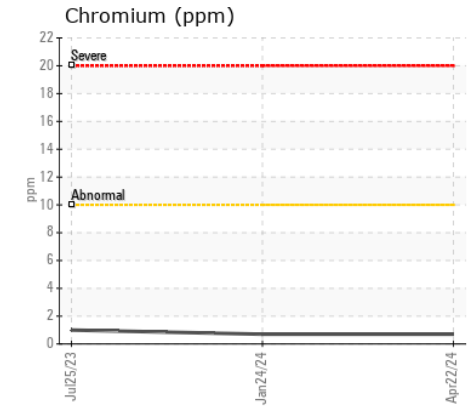
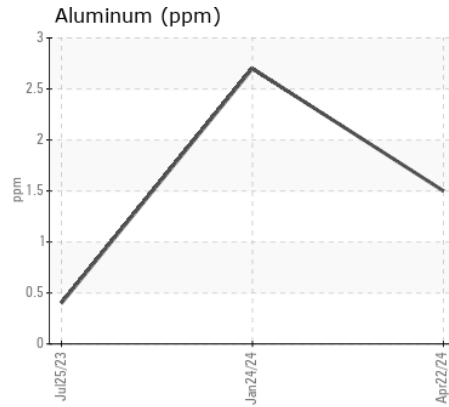
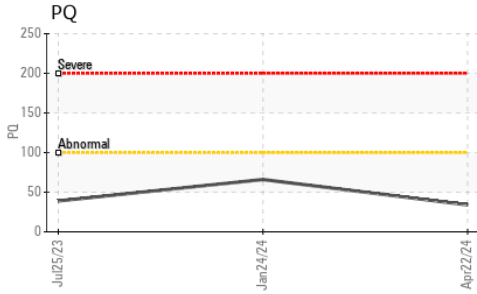
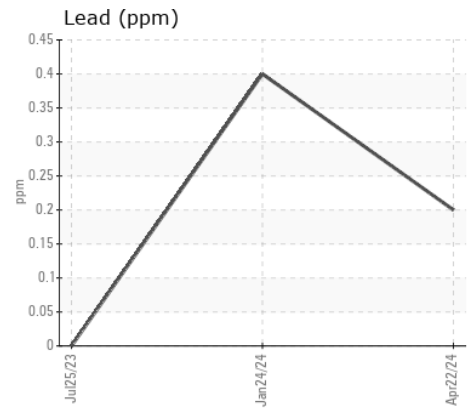
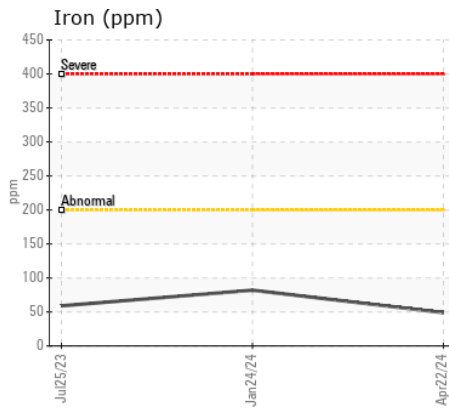
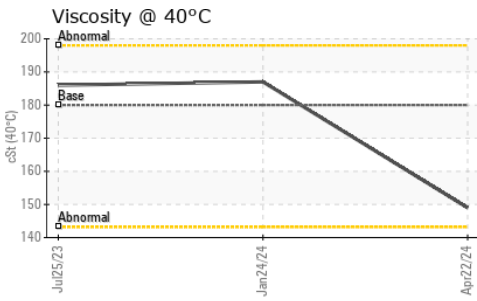
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		7	15	14
Potassium	ppm	ASTM D5185m	>20	<1	3	2
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		1	0	1
Boron	ppm	ASTM D5185m	400	21	80	87
Barium	ppm	ASTM D5185m	200	<1	2	5
Molybdenum	ppm	ASTM D5185m	12	<1	<1	1
Manganese	ppm	ASTM D5185m		<1	2	2
Magnesium	ppm	ASTM D5185m	12	6	4	1
Calcium	ppm	ASTM D5185m	150	74	26	48
Phosphorus	ppm	ASTM D5185m	1650	397	518	493
Zinc	ppm	ASTM D5185m	125	22	0	17
Sulfur	ppm	ASTM D5185m	22500	19604	17935	15504
Visc @ 40°C	cSt	ASTM D445	180	149	187	186



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : JR0197220

Lab Number : 06159353

Unique Number : 10994776

Test Package : MOBCE (Additional Tests: PQ)

Received : 24 Apr 2024

Tested : 25 Apr 2024

Diagnosed : 26 Apr 2024 - Don Baldrige

JRE - HOPE MILLS/FAYETTEVILLE

5039 HWY 301 SOUTH

HOPE MILLS, NC

US 28348

Contact: FAYETTEVILLE SHOP

stephen.mullis@jamesriverequipment.com;canastasio@wearcheck.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)

T:

F: