



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[W8930]
 Machine Id
JOHN DEERE 210G 1FF210GXEMF529659
 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: W8930)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0196961	JR0185414	JR0160872
Sample Date		Client Info		22 May 2024	18 Oct 2023	03 Apr 2023
Machine Age	hrs	Client Info		2019	1058	1058
Oil Age	hrs	Client Info		1509	1058	1058
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	N/A	Changed
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		23	16	50
Iron	ppm	ASTM D5185m	>200	69	24	68
Chromium	ppm	ASTM D5185m	>10	1	<1	<1
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		1	0	0
Aluminum	ppm	ASTM D5185m		1	2	<1
Lead	ppm	ASTM D5185m		<1	0	0
Copper	ppm	ASTM D5185m		1	0	<1
Tin	ppm	ASTM D5185m		<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

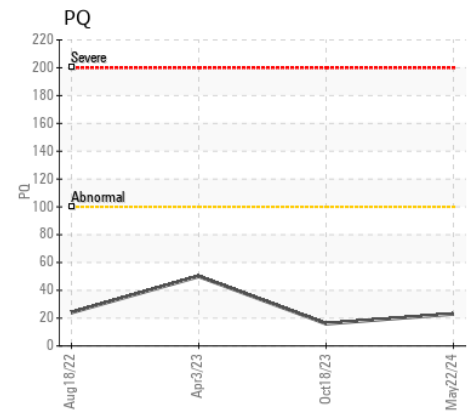
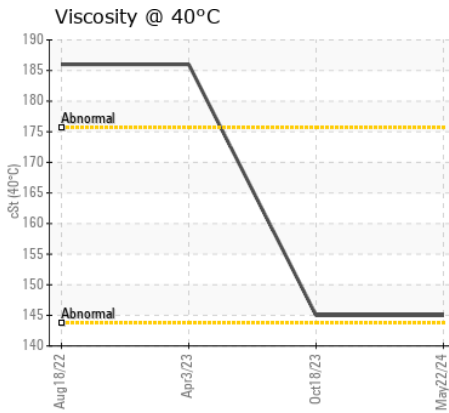
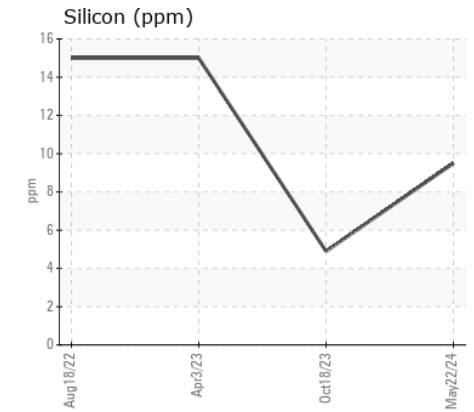
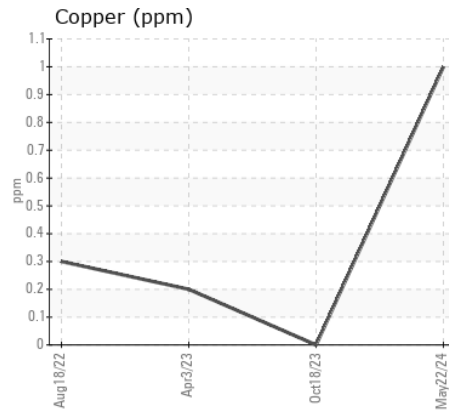
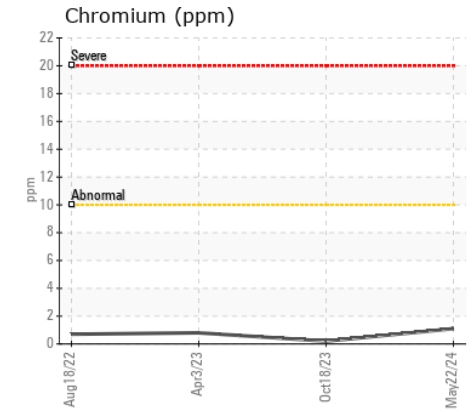
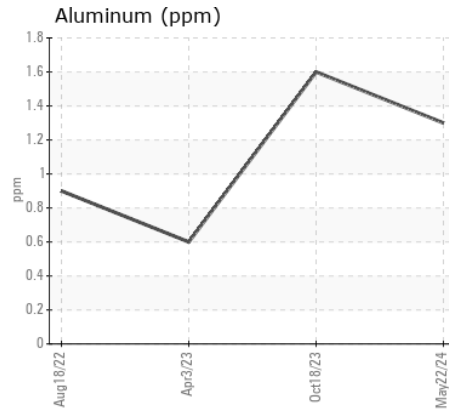
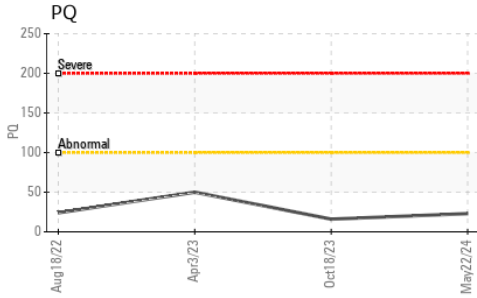
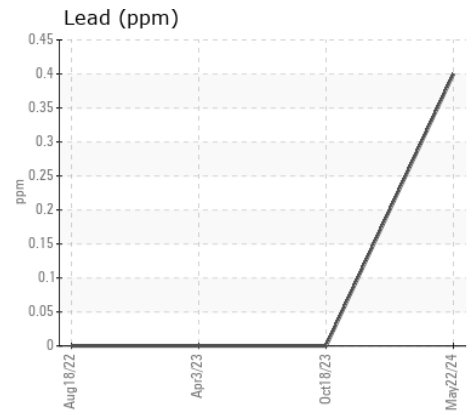
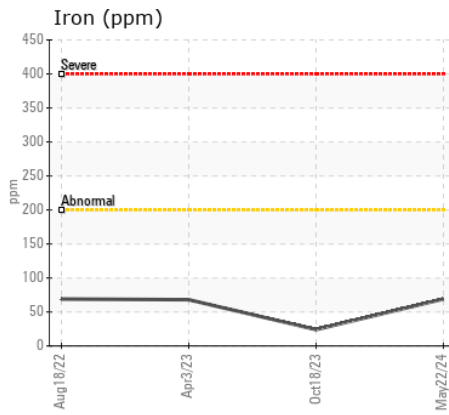
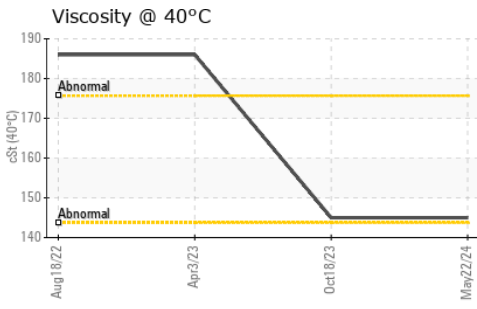
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		10	5	15
Potassium	ppm	ASTM D5185m	>20	2	<1	<1
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	2
Boron	ppm	ASTM D5185m		20	13	80
Barium	ppm	ASTM D5185m		3	0	3
Molybdenum	ppm	ASTM D5185m		<1	<1	0
Manganese	ppm	ASTM D5185m		2	<1	2
Magnesium	ppm	ASTM D5185m		1	<1	10
Calcium	ppm	ASTM D5185m		11	8	22
Phosphorus	ppm	ASTM D5185m		366	469	532
Zinc	ppm	ASTM D5185m		9	0	11
Sulfur	ppm	ASTM D5185m		19349	27223	17989
Visc @ 40°C	cSt	ASTM D445		145	145	186



Certificate L2367

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

Sample No. : JR0196961

Lab Number : 06190761

Unique Number : 11047513

Test Package : MOBCE (Additional Tests: PQ)

Received : 24 May 2024

Tested : 29 May 2024

Diagnosed : 29 May 2024 - Sean Felton

JRE - HOPE MILLS/FAYETTEVILLE

5039 HWY 301 SOUTH

HOPE MILLS, NC

US 28348

Contact: FAYETTEVILLE SHOP

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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)

T:

F: