



Area

[W8930]

Machine Id

JOHN DEERE 210G 1FF210GXEMF529659

Component

Right Final Drive

Fluid

JOHN DEERE GL-5 80W90 (2 GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. (Customer Sample Comment: W8930)

WEAR

All component wear rates are normal.

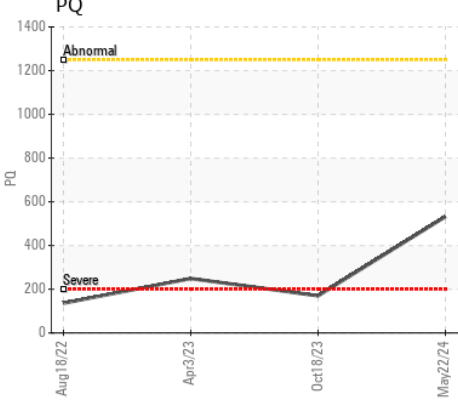
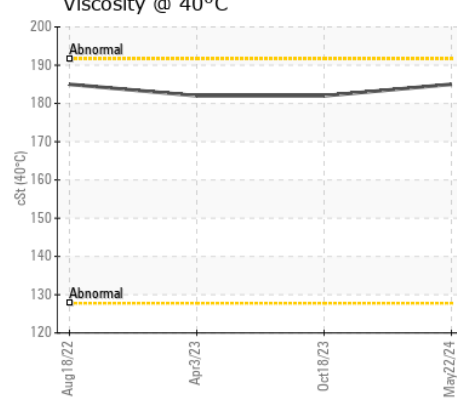
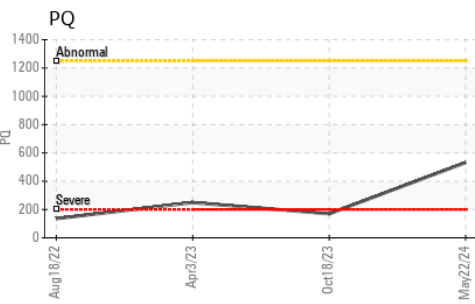
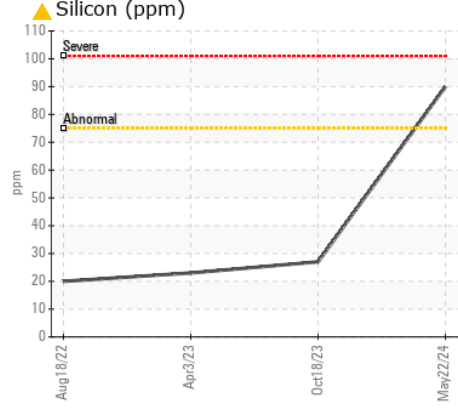
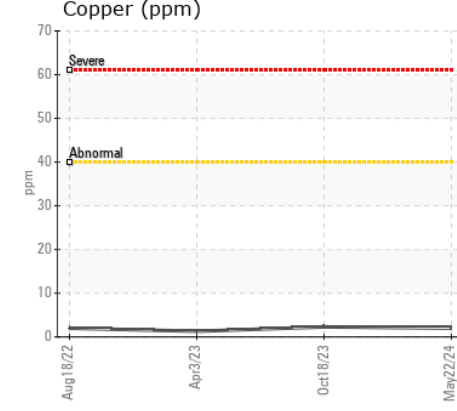
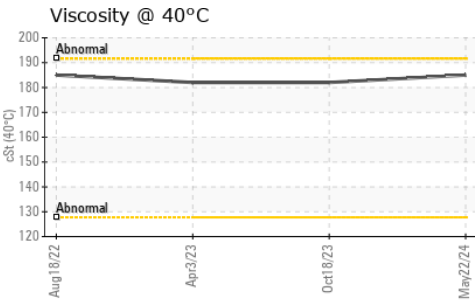
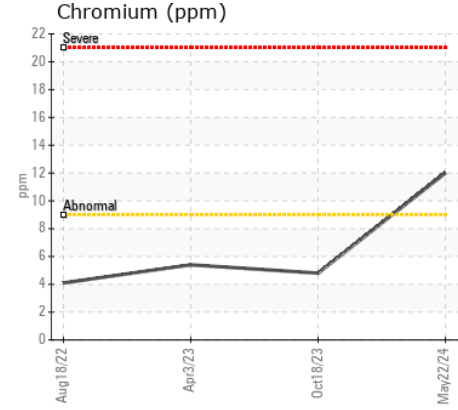
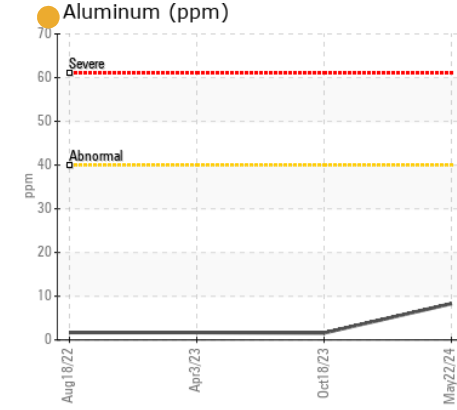
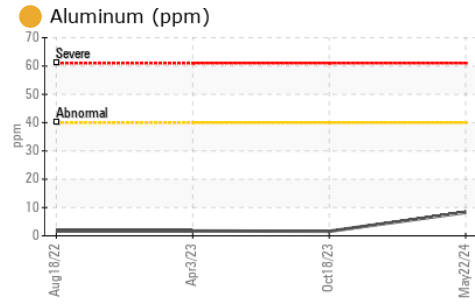
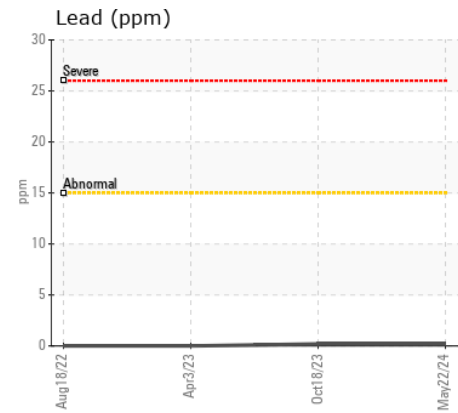
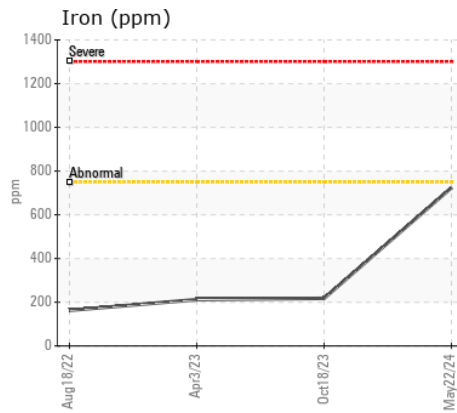
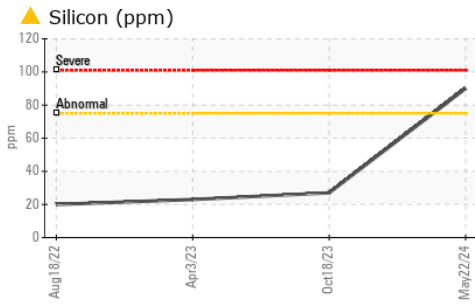
CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0196878	JR0185416	JR0160868
Sample Date		Client Info		22 May 2024	18 Oct 2023	03 Apr 2023
Machine Age	hrs	Client Info		2019	1568	1058
Oil Age	hrs	Client Info		2019	1568	1058
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL
PQ		ASTM D8184	>1250	532	170	249
Iron	ppm	ASTM D5185m	>750	724	218	212
Chromium	ppm	ASTM D5185m	>9	12	5	5
Nickel	ppm	ASTM D5185m	>10	2	<1	0
Titanium	ppm	ASTM D5185m		1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	8	2	2
Lead	ppm	ASTM D5185m	>15	<1	<1	0
Copper	ppm	ASTM D5185m	>40	2	2	1
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	MODER	MODER	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	▲ 90	27	23
Potassium	ppm	ASTM D5185m	>20	9	5	3
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	MODER	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	>0.075	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m	>51	2	0	<1
Boron	ppm	ASTM D5185m		53	53	58
Barium	ppm	ASTM D5185m		6	6	3
Molybdenum	ppm	ASTM D5185m		<1	<1	0
Manganese	ppm	ASTM D5185m		12	5	5
Magnesium	ppm	ASTM D5185m		5	<1	10
Calcium	ppm	ASTM D5185m		64	37	10
Phosphorus	ppm	ASTM D5185m		523	602	539
Zinc	ppm	ASTM D5185m		44	28	28
Sulfur	ppm	ASTM D5185m		19020	20519	18439
Visc @ 40°C	cSt	ASTM D445		185	182	182



Certificate L2367

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

Sample No. : JR0196878

Lab Number : 06190766

Unique Number : 11047518

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

stephen.mullis@jamesriverequipment.com; panastasio@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)

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F: