



Machine Id
JOHN DEERE 210G 1FF210GXCKF528128

Component
Left Final Drive

Fluid
JOHN DEERE GL-5 80W90 (--- 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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0199807	JR0136420	---
Sample Date		Client Info		29 Jan 2024	26 Oct 2022	---
Machine Age	hrs	Client Info		2228	1685	---
Oil Age	hrs	Client Info		0	1685	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Not Changd	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ABNORMAL	ABNORMAL	---

WEAR

Metal levels are typical for a new component breaking in.

PQ		ASTM D8184	>1250	487	260	---
Iron	ppm	ASTM D5185m	>750	1344	816	---
Chromium	ppm	ASTM D5185m	>9	16	10	---
Nickel	ppm	ASTM D5185m	>10	4	0	---
Titanium	ppm	ASTM D5185m		7	3	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>40	▲ 59	▲ 32	---
Lead	ppm	ASTM D5185m	>15	0	0	---
Copper	ppm	ASTM D5185m	>40	4	3	---
Tin	ppm	ASTM D5185m	>10	0	0	---
Vanadium	ppm	ASTM D5185m		0	<1	---
White Metal	scalar	*Visual	NONE	NONE	LIGHT	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

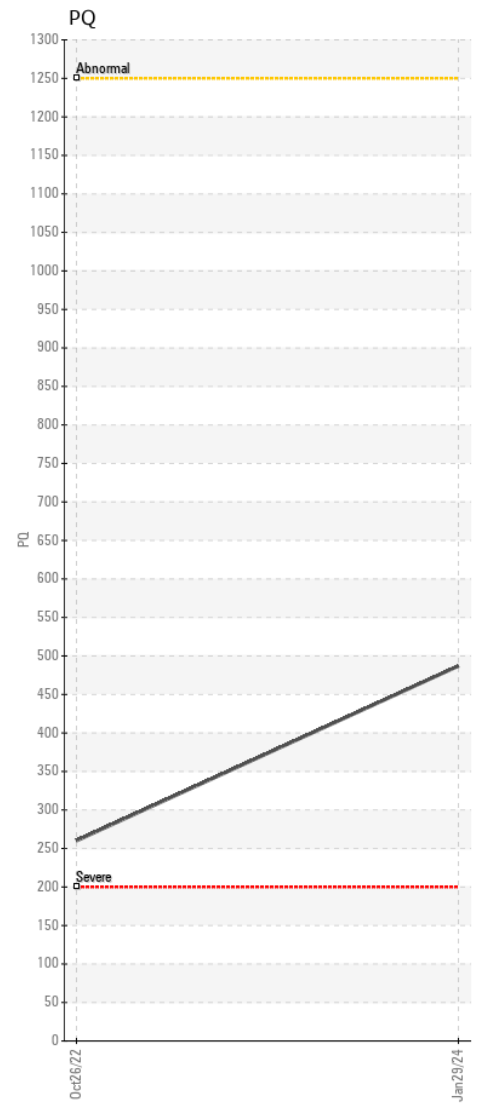
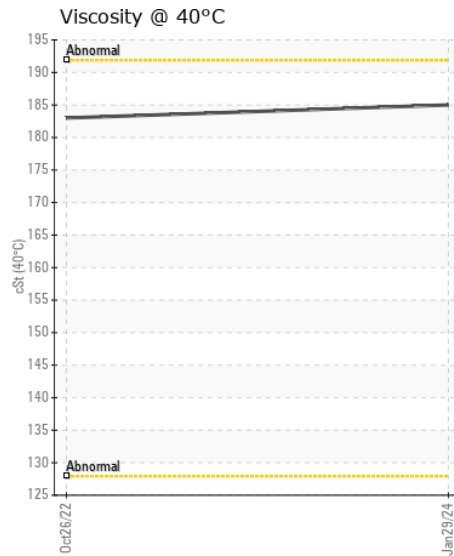
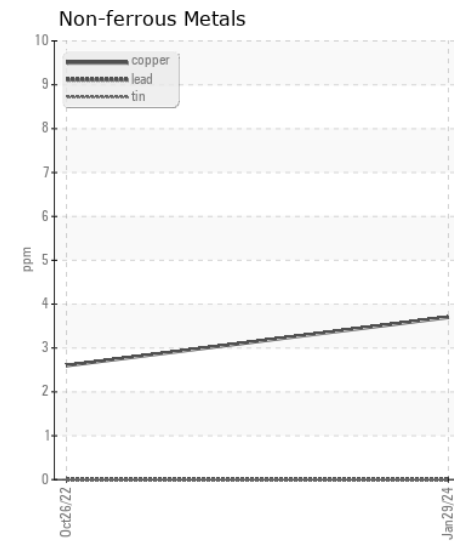
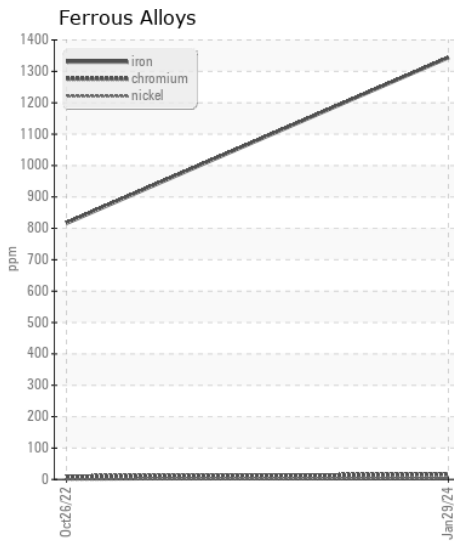
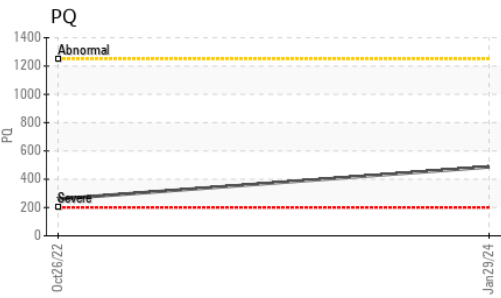
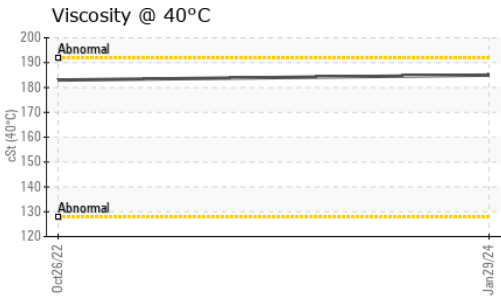
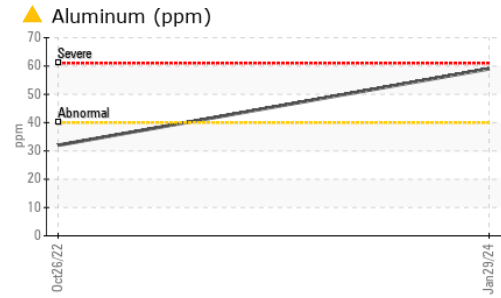
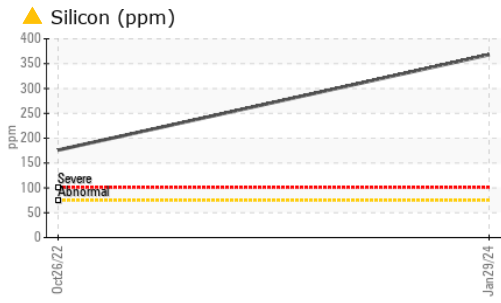
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	▲ 368	▲ 176	---
Potassium	ppm	ASTM D5185m	>20	22	13	---
Water		WC Method	>0.075	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.075	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	0	0	---
Boron	ppm	ASTM D5185m		70	65	---
Barium	ppm	ASTM D5185m		9	0	---
Molybdenum	ppm	ASTM D5185m		0	<1	---
Manganese	ppm	ASTM D5185m		17	11	---
Magnesium	ppm	ASTM D5185m		6	2	---
Calcium	ppm	ASTM D5185m		45	15	---
Phosphorus	ppm	ASTM D5185m		529	511	---
Zinc	ppm	ASTM D5185m		29	31	---
Sulfur	ppm	ASTM D5185m		16543	18239	---
Visc @ 40°C	cSt	ASTM D445		185	183	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0199807 **Received** : 30 Jan 2024
Lab Number : 06075090 **Diagnosed** : 01 Feb 2024
Unique Number : 10857181 **Diagnostician** : Don Baldrige
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)

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