



Area
[W68335]
Machine Id
JOHN DEERE 210G 1FF210GXHNF530200
Component
Left 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. We recommend an early resample to monitor this condition. (Customer Sample Comment: W68335)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0220417	JR0168230	---
Sample Date		Client Info		16 Jul 2024	19 May 2023	---
Machine Age	hrs	Client Info		2262	1124	---
Oil Age	hrs	Client Info		2262	1124	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Not Changd	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				SEVERE	NORMAL	---

WEAR

All component wear rates are normal for time on oil.

PQ		ASTM D8184	>1250	1292	164	---
Iron	ppm	ASTM D5185m	>750	2711	264	---
Chromium	ppm	ASTM D5185m	>9	27	6	---
Nickel	ppm	ASTM D5185m	>10	5	0	---
Titanium	ppm	ASTM D5185m		15	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>40	49	<1	---
Lead	ppm	ASTM D5185m	>15	0	0	---
Copper	ppm	ASTM D5185m	>40	5	1	---
Tin	ppm	ASTM D5185m	>10	0	0	---
Vanadium	ppm	ASTM D5185m		0	<1	---
White Metal	scalar	*Visual	NONE	NONE	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

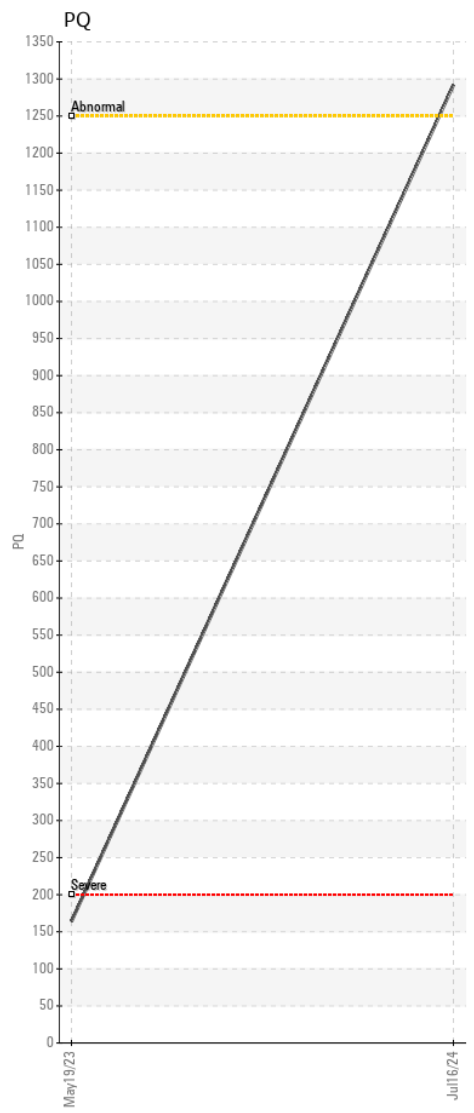
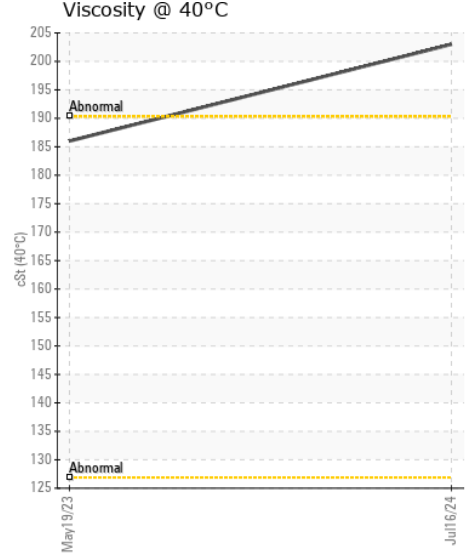
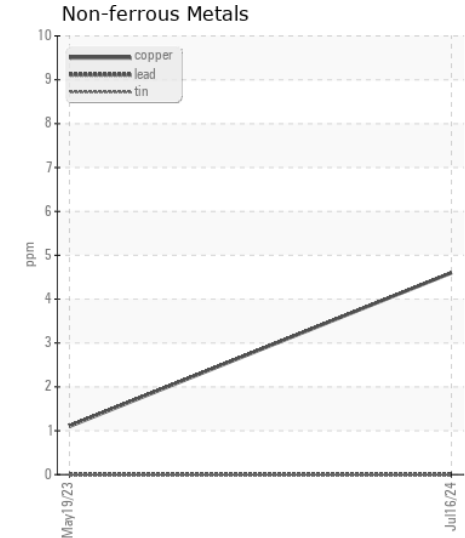
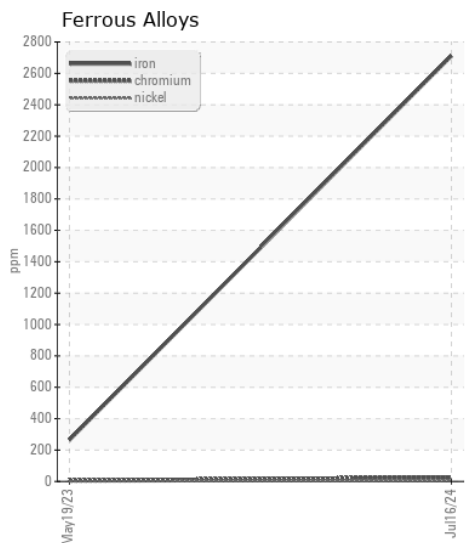
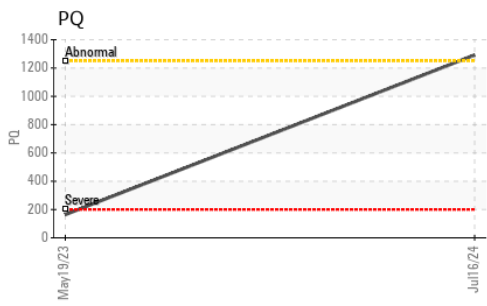
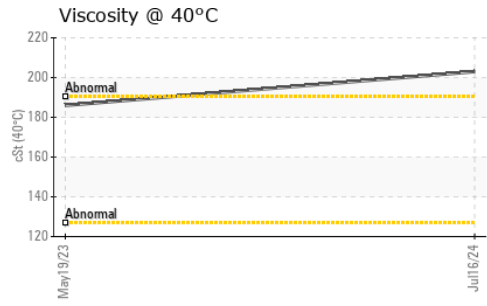
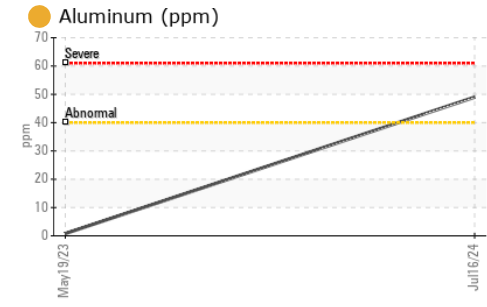
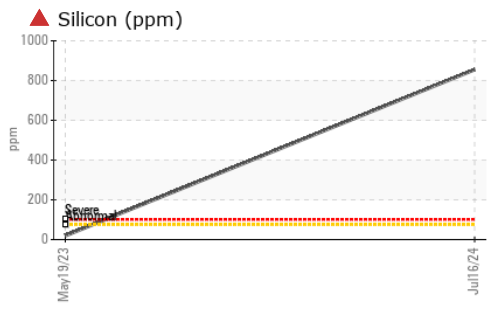
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	855	19	---
Potassium	ppm	ASTM D5185m	>20	7	2	---
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 oil is no longer serviceable due to the presence of contaminants.

Sodium	ppm	ASTM D5185m	>51	2	<1	---
Boron	ppm	ASTM D5185m		53	65	---
Barium	ppm	ASTM D5185m		8	5	---
Molybdenum	ppm	ASTM D5185m		2	<1	---
Manganese	ppm	ASTM D5185m		28	6	---
Magnesium	ppm	ASTM D5185m		2	0	---
Calcium	ppm	ASTM D5185m		15	12	---
Phosphorus	ppm	ASTM D5185m		476	517	---
Zinc	ppm	ASTM D5185m		22	8	---
Sulfur	ppm	ASTM D5185m		21126	18797	---
Visc @ 40°C	cSt	ASTM D445		203	186	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0220417 **Received** : 18 Jul 2024
Lab Number : 06240547 **Tested** : 19 Jul 2024
Unique Number : 11129381 **Diagnosed** : 20 Jul 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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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)