



WEAR	ATTENTION
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL



Machine Id
JOHN DEERE 210G 1FF210GXVFF523504
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. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0202833	JR0113325	JR0081816
Sample Date		Client Info		01 Feb 2024	23 Nov 2021	12 Mar 2021
Machine Age	hrs	Client Info		6847	5523	4989
Oil Age	hrs	Client Info		6313	4989	0
Filter Age	hrs	Client Info		0	4989	0
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Filter Changed		Client Info		N/A	Not Changd	Changed
Sample Status				SEVERE	SEVERE	SEVERE

WEAR

All component wear rates are normal for time on oil.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184	>1250	89	1564	1323
Iron	ppm	ASTM D5185m	>750	870	2018	1714
Chromium	ppm	ASTM D5185m	>9	5	18	15
Nickel	ppm	ASTM D5185m	>10	0	3	2
Titanium	ppm	ASTM D5185m		2	7	6
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	28	127	105
Lead	ppm	ASTM D5185m	>15	0	4	0
Copper	ppm	ASTM D5185m	>40	1	4	3
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	NONE	LIGHT	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

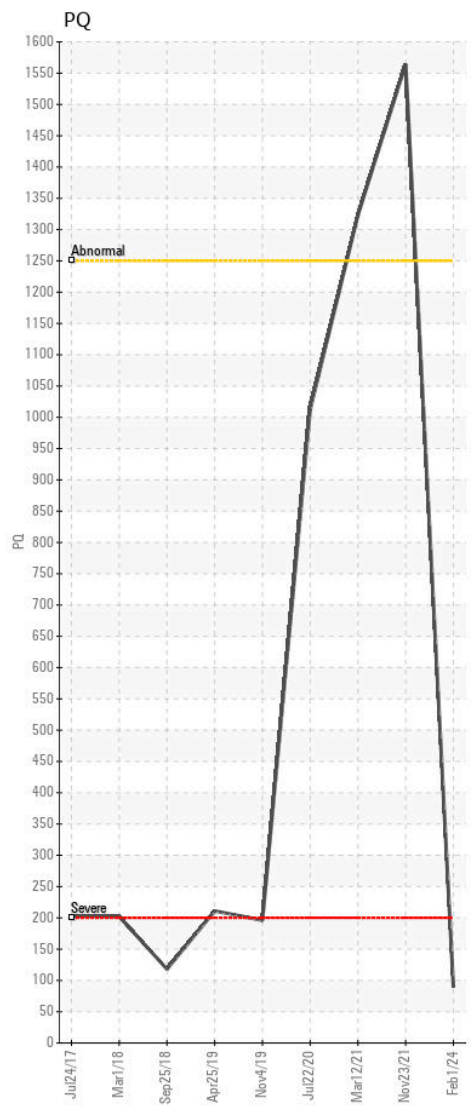
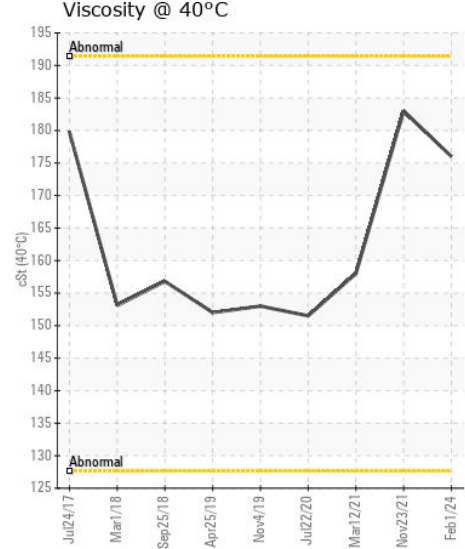
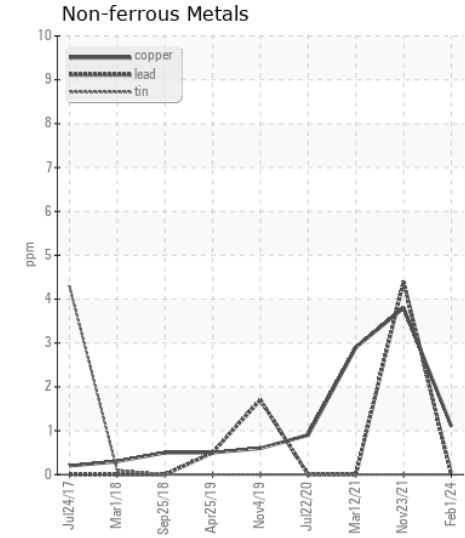
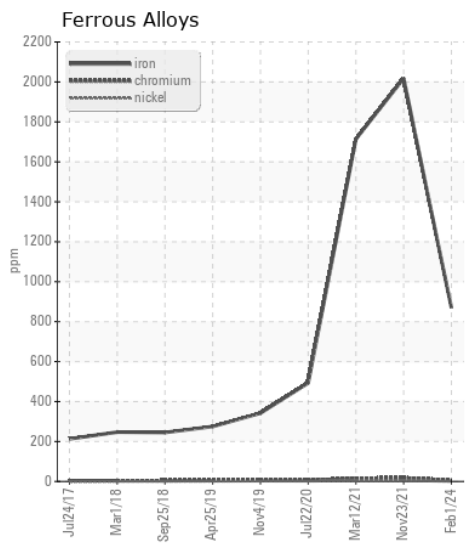
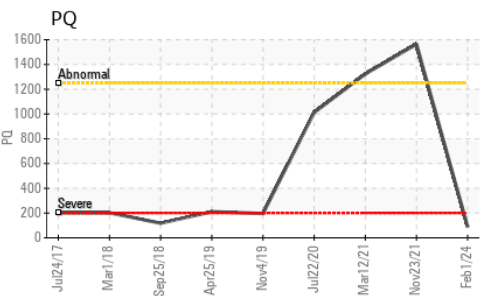
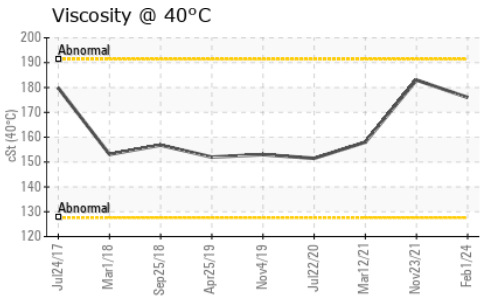
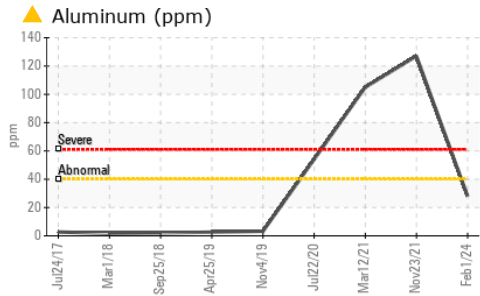
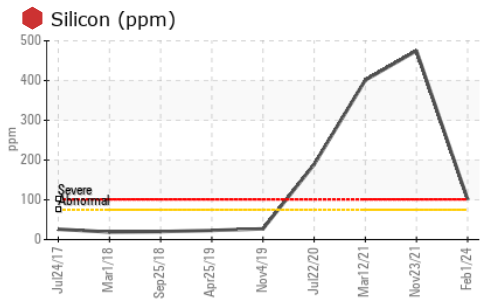
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	101	475	401
Potassium	ppm	ASTM D5185m	>20	9	24	15
Water		WC Method	>0.075	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	>0.075	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	12	20	18
Boron	ppm	ASTM D5185m		4	34	12
Barium	ppm	ASTM D5185m		8	<1	<1
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		6	18	15
Magnesium	ppm	ASTM D5185m		5	17	14
Calcium	ppm	ASTM D5185m		8	32	20
Phosphorus	ppm	ASTM D5185m		2340	2114	2116
Zinc	ppm	ASTM D5185m		12	14	2
Sulfur	ppm	ASTM D5185m		28599	33177	23270
Visc @ 40°C	cSt	ASTM D445		176	183	158



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0202833 **Received** : 13 Feb 2024
Lab Number : 06087696 **Tested** : 14 Feb 2024
Unique Number : 10875141 **Diagnosed** : 15 Feb 2024 - Angela Borella
Test Package : CONST (Additional Tests: PQ)

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Certificate L2367
 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)