



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
JOHN DEERE 210G 1FF210GXJKF527222
Component
Left Final Drive
Fluid
JOHN DEERE GL-5 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0202611	JR0153068	JR0055125
Sample Date		Client Info		25 Jan 2024	26 Oct 2022	10 Sep 2020
Machine Age	hrs	Client Info		2395	2395	1066
Oil Age	hrs	Client Info		2395	2395	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Changed	Not Changed
Filter Changed		Client Info		N/A	N/A	Not Changed
Sample Status				NORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	154	256	256
Iron	ppm	ASTM D5185m	>750	263	478	353
Chromium	ppm	ASTM D5185m	>9	4	7	6
Nickel	ppm	ASTM D5185m	>10	<1	<1	<1
Titanium	ppm	ASTM D5185m		0	1	<1
Silver	ppm	ASTM D5185m		0	2	<1
Aluminum	ppm	ASTM D5185m	>40	2	▲ 15	0
Lead	ppm	ASTM D5185m	>15	0	0	0
Copper	ppm	ASTM D5185m	>40	<1	2	1
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	NONE	LIGHT	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

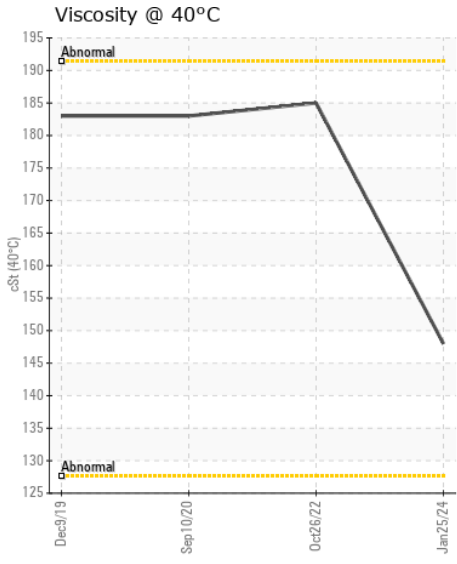
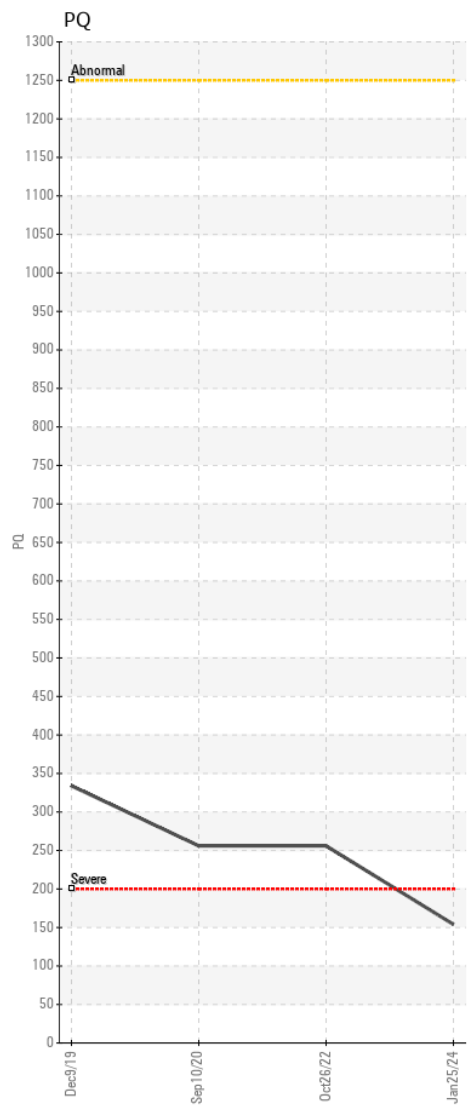
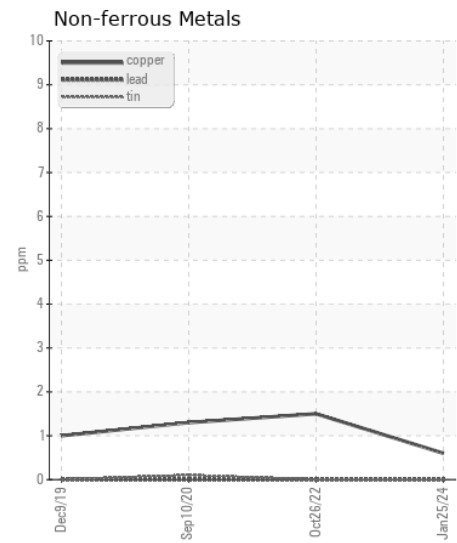
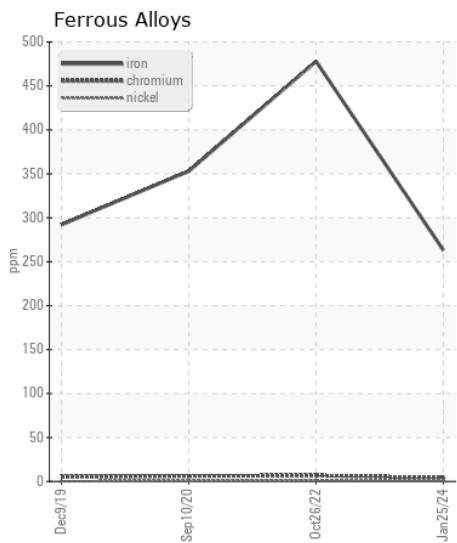
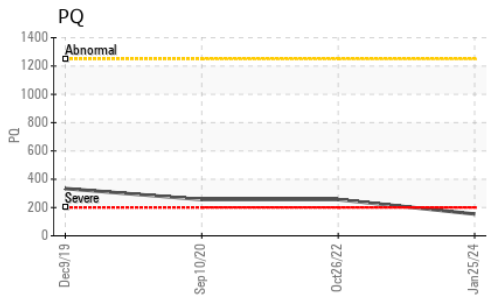
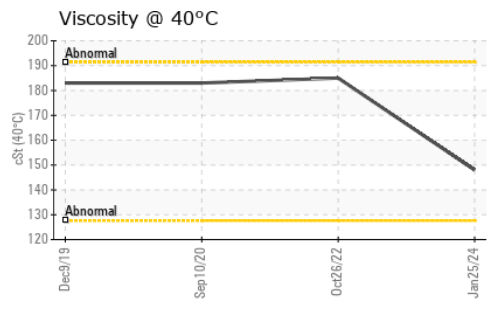
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	23	▲ 75	31
Potassium	ppm	ASTM D5185m	>20	3	15	4
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	LIGHT	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	<1	5	<1
Boron	ppm	ASTM D5185m		17	39	50
Barium	ppm	ASTM D5185m		5	0	8
Molybdenum	ppm	ASTM D5185m		4	1	<1
Manganese	ppm	ASTM D5185m		4	8	7
Magnesium	ppm	ASTM D5185m		15	14	2
Calcium	ppm	ASTM D5185m		46	0	14
Phosphorus	ppm	ASTM D5185m		731	322	504
Zinc	ppm	ASTM D5185m		17	32	32
Sulfur	ppm	ASTM D5185m		18662	11193	13418
Visc @ 40°C	cSt	ASTM D445		148	185	183



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0202611 **Received** : 07 Feb 2024
Lab Number : 06082775 **Tested** : 08 Feb 2024
Unique Number : 10870220 **Diagnosed** : 09 Feb 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

JRE - GARNER
 4161 AUBURN CHURCH RD
 GARNER, NC
 US 27529
 Contact: RALEIGH SHOP
 sean.betts@jamesriverequipment.com; catherine.anastasio@wearcheck.com
 T: (919)614-2260
 F: (919)779-5432

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)