



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
JOHN DEERE 210G 1FF210GXEJF526708
Component
Right Final Drive
Fluid
JOHN DEERE GL-5 80W90 (5 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0213067	JR0208996	JR0200608
Sample Date		Client Info		28 Jun 2024	20 May 2024	28 Feb 2024
Machine Age	hrs	Client Info		5065	4952	4827
Oil Age	hrs	Client Info		113	4135	4269
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	SEVERE	SEVERE

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	17	1456	1657
Iron	ppm	ASTM D5185m	>750	49	▲ 3645	▲ 3384
Chromium	ppm	ASTM D5185m	>9	<1	▲ 28	▲ 27
Nickel	ppm	ASTM D5185m	>10	<1	8	8
Titanium	ppm	ASTM D5185m		<1	11	11
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>40	4	● 70	● 67
Lead	ppm	ASTM D5185m	>15	<1	0	<1
Copper	ppm	ASTM D5185m	>40	<1	7	8
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

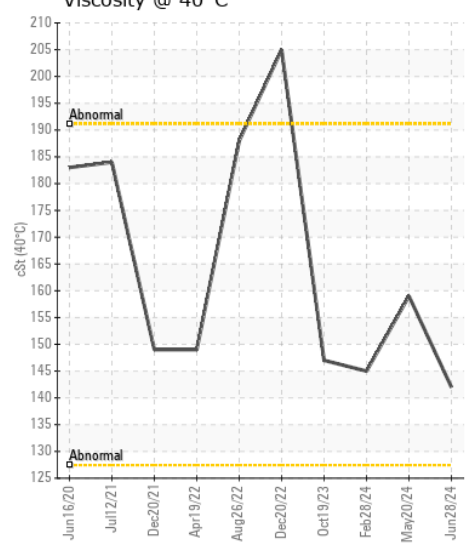
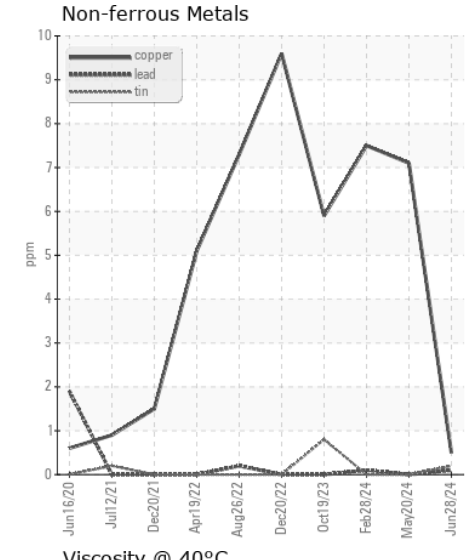
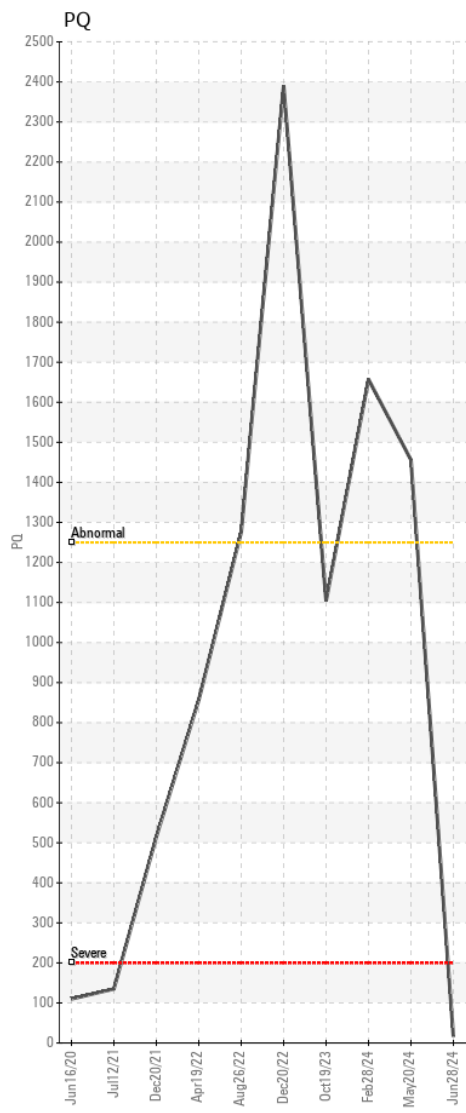
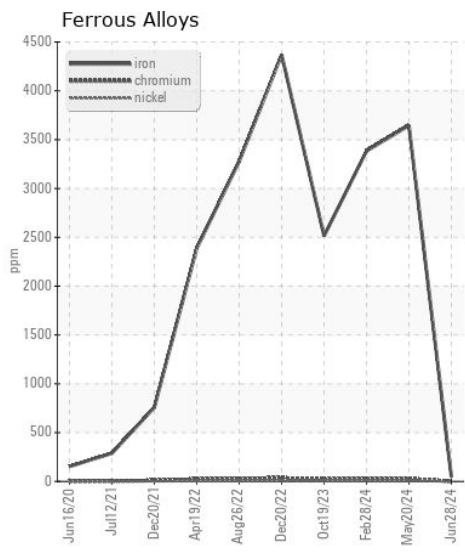
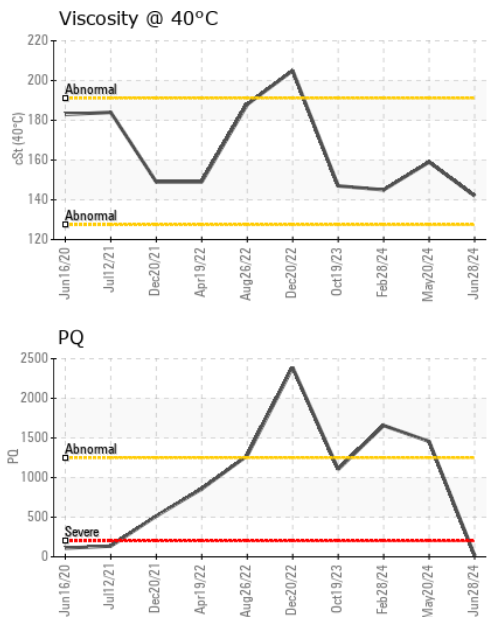
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	20	▲ 811	▲ 792
Potassium	ppm	ASTM D5185m	>20	2	12	14
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	0	2	2
Boron	ppm	ASTM D5185m		3	21	24
Barium	ppm	ASTM D5185m		<1	<1	<1
Molybdenum	ppm	ASTM D5185m		2	6	6
Manganese	ppm	ASTM D5185m		<1	28	28
Magnesium	ppm	ASTM D5185m		6	18	18
Calcium	ppm	ASTM D5185m		8	60	59
Phosphorus	ppm	ASTM D5185m		364	855	834
Zinc	ppm	ASTM D5185m		13	39	49
Sulfur	ppm	ASTM D5185m		18313	23441	20362
Visc @ 40°C	cSt	ASTM D445		142	159	145



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0213067 **Received** : 01 Jul 2024
Lab Number : 06224816 **Tested** : 02 Jul 2024
Unique Number : 11103013 **Diagnosed** : 02 Jul 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

JRE - GREENVILLE
 3604 HIGHWAY 264 E
 GREENVILLE, NC
 US 27834-5800

Certificate L2367 **Contact:** GREENVILLE SHOP
 To discuss this sample report, contact Customer Service at 1-800-237-1369. christopher.martin@jamesriverequipment.com
 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T:
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: