



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[05W46759]
 Machine Id
JOHN DEERE 210G 1FF210GXJNF530402
 Component
Left Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (8 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0214475	JR0208586	JR0189920
Sample Date		Client Info		29 May 2024	28 Feb 2024	16 Oct 2023
Machine Age	hrs	Client Info		2035	1478	962
Oil Age	hrs	Client Info		2035	1478	962
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	227	262	196
Iron	ppm	ASTM D5185m	>750	449	292	226
Chromium	ppm	ASTM D5185m	>9	5	4	4
Nickel	ppm	ASTM D5185m	>10	1	0	<1
Titanium	ppm	ASTM D5185m		1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	13	9	1
Lead	ppm	ASTM D5185m	>15	0	0	<1
Copper	ppm	ASTM D5185m	>40	<1	1	2
Tin	ppm	ASTM D5185m	>10	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

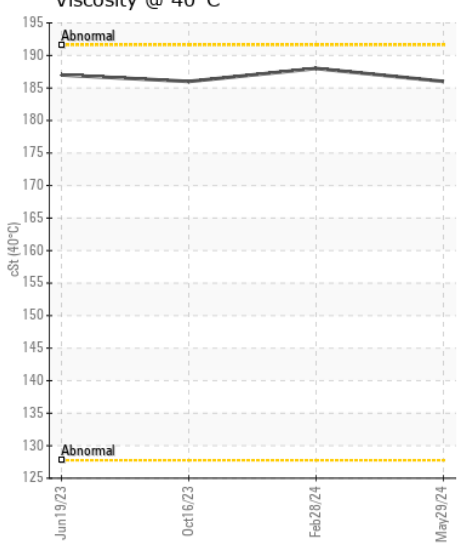
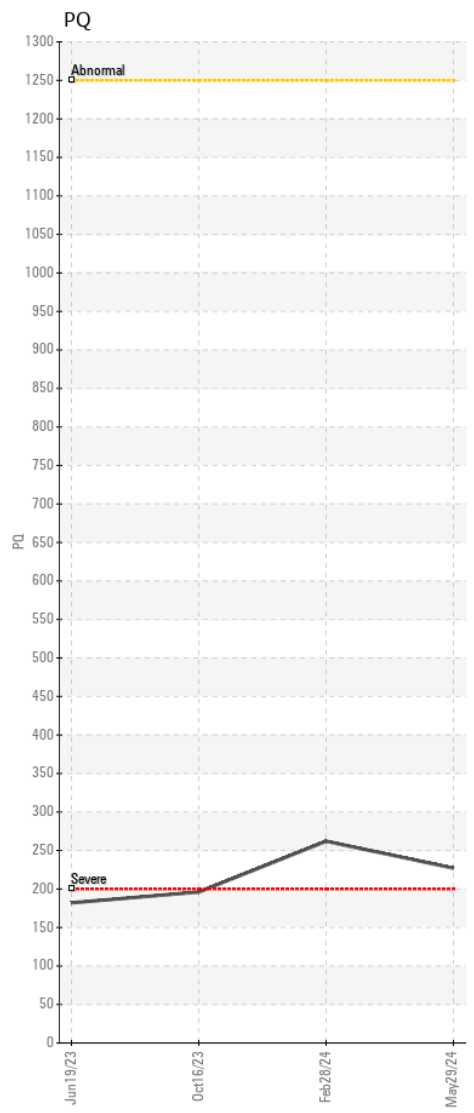
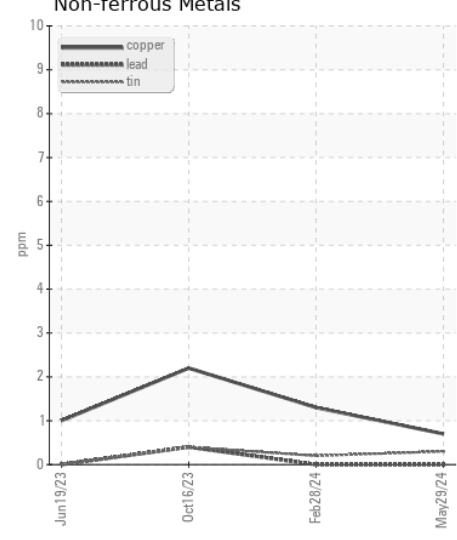
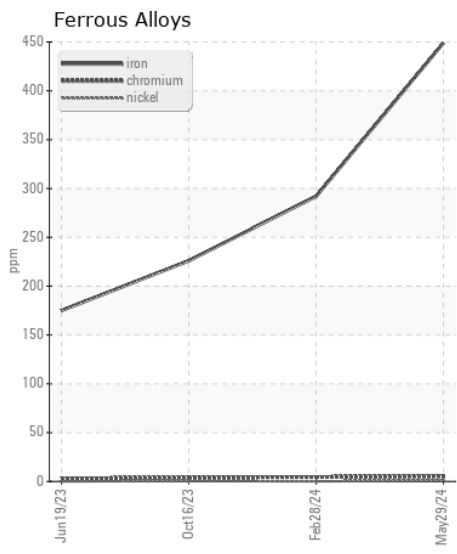
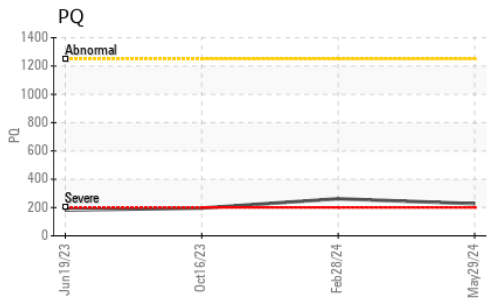
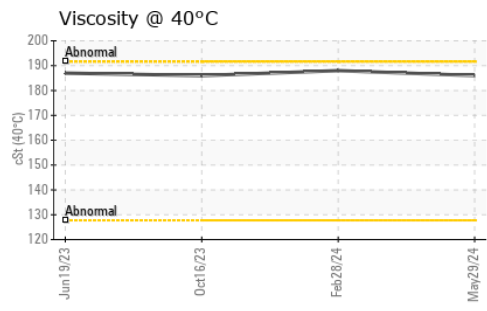
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	55	42	19
Potassium	ppm	ASTM D5185m	>20	6	4	4
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	2	<1	2
Boron	ppm	ASTM D5185m		75	56	57
Barium	ppm	ASTM D5185m		5	5	6
Molybdenum	ppm	ASTM D5185m		3	0	0
Manganese	ppm	ASTM D5185m		7	6	5
Magnesium	ppm	ASTM D5185m		5	2	0
Calcium	ppm	ASTM D5185m		22	17	17
Phosphorus	ppm	ASTM D5185m		576	500	521
Zinc	ppm	ASTM D5185m		27	24	26
Sulfur	ppm	ASTM D5185m		18938	15334	16758
Visc @ 40°C	cSt	ASTM D445		186	188	186



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0214475 **Received** : 31 May 2024
Lab Number : 06196950 **Tested** : 03 Jun 2024
Unique Number : 11059073 **Diagnosed** : 03 Jun 2024 - Wes Davis
Test Package : CONST (Additional Tests: PQ)

JRE - MANASSAS PARK
 9107 OWENS DRIVE
 MANASSAS PARK, VA
 US 20111
 Contact: DON VEST
 dvest@jamesriverequipment.com

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)