



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[16W16011]
 Machine Id
JOHN DEERE 210G 1FF210GXCNF530112
 Component
Left Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (2 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: 16W16011)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0206876	JR0185694	JR0173260
Sample Date		Client Info		15 Apr 2024	30 Oct 2023	02 Jun 2023
Machine Age	hrs	Client Info		1471	959	518
Oil Age	hrs	Client Info		1471	959	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		N/A	N/A	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	156	77	122
Iron	ppm	ASTM D5185m	>750	207	165	165
Chromium	ppm	ASTM D5185m	>9	5	4	3
Nickel	ppm	ASTM D5185m	>10	2	<1	0
Titanium	ppm	ASTM D5185m		1	<1	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>40	4	3	4
Lead	ppm	ASTM D5185m	>15	1	0	0
Copper	ppm	ASTM D5185m	>40	2	<1	<1
Tin	ppm	ASTM D5185m	>10	1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

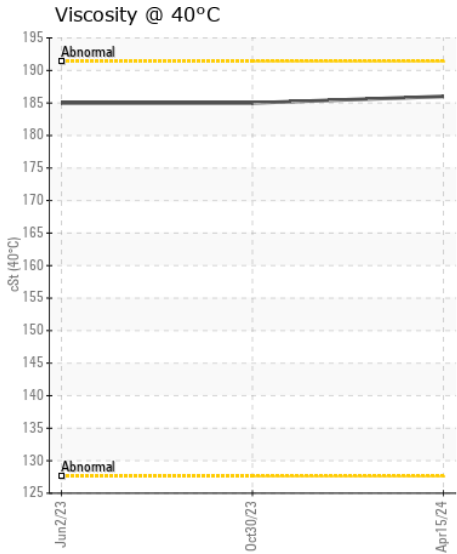
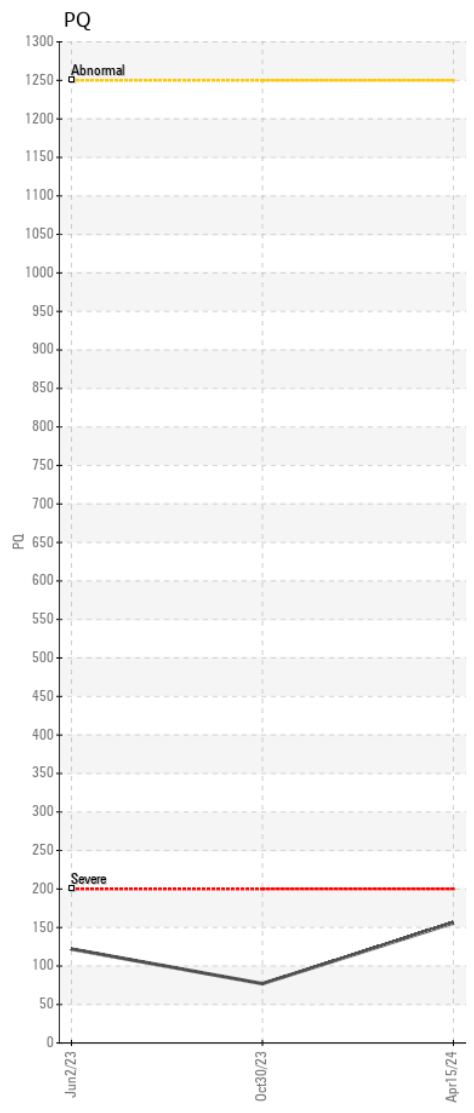
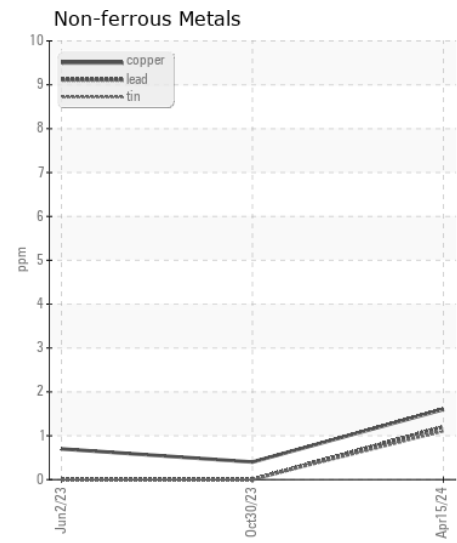
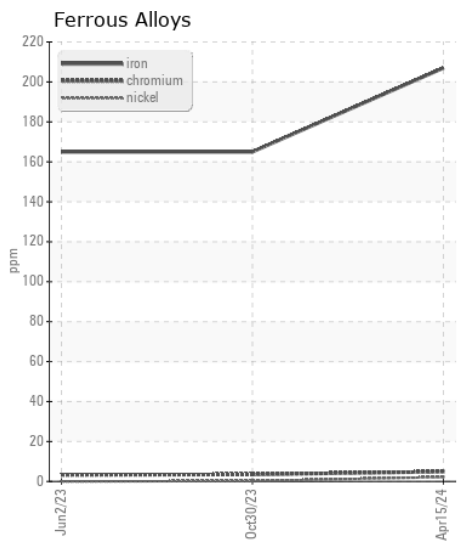
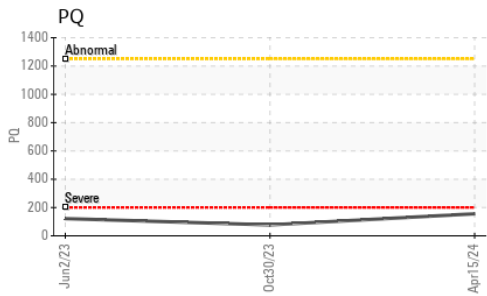
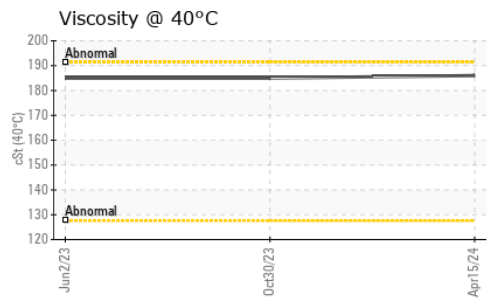
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>75	39	33	29
Potassium	ppm	ASTM D5185m	>20	4	6	1
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	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 fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	<1	2	1
Boron	ppm	ASTM D5185m		64	64	65
Barium	ppm	ASTM D5185m		7	4	0
Molybdenum	ppm	ASTM D5185m		8	0	0
Manganese	ppm	ASTM D5185m		6	4	4
Magnesium	ppm	ASTM D5185m		21	0	0
Calcium	ppm	ASTM D5185m		48	13	38
Phosphorus	ppm	ASTM D5185m		502	439	511
Zinc	ppm	ASTM D5185m		52	31	17
Sulfur	ppm	ASTM D5185m		15919	14059	18419
Visc @ 40°C	cSt	ASTM D445		186	185	185



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0206876 **Received** : 17 Apr 2024
Lab Number : 06152279 **Tested** : 18 Apr 2024
Unique Number : 10982357 **Diagnosed** : 22 Apr 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

JRE - CASTLE HAYNE
 113 CROWATAN ROAD
 CASTLE HAYNE, NC
 US 28429-5819
 Contact: WILMINGTON SHOP

To discuss this sample report, contact Customer Service at 1-800-237-1369.

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* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

T: (910)675-9211

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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