



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[16W16482]
 Machine Id
JOHN DEERE 210G 1FF210GXENF530117
 Component
Right Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (8 QTS)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: 16W16482)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0217393	JR0196490	JR0173295
Sample Date		Client Info		26 Jun 2024	29 Jan 2024	25 Jul 2023
Machine Age	hrs	Client Info		2479	2061	1470
Oil Age	hrs	Client Info		418	2061	1470
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	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	92	223	158
Iron	ppm	ASTM D5185m	>750	164	339	357
Chromium	ppm	ASTM D5185m	>9	3	6	7
Nickel	ppm	ASTM D5185m	>10	<1	<1	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	3	2	2
Lead	ppm	ASTM D5185m	>15	0	0	0
Copper	ppm	ASTM D5185m	>40	<1	1	1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

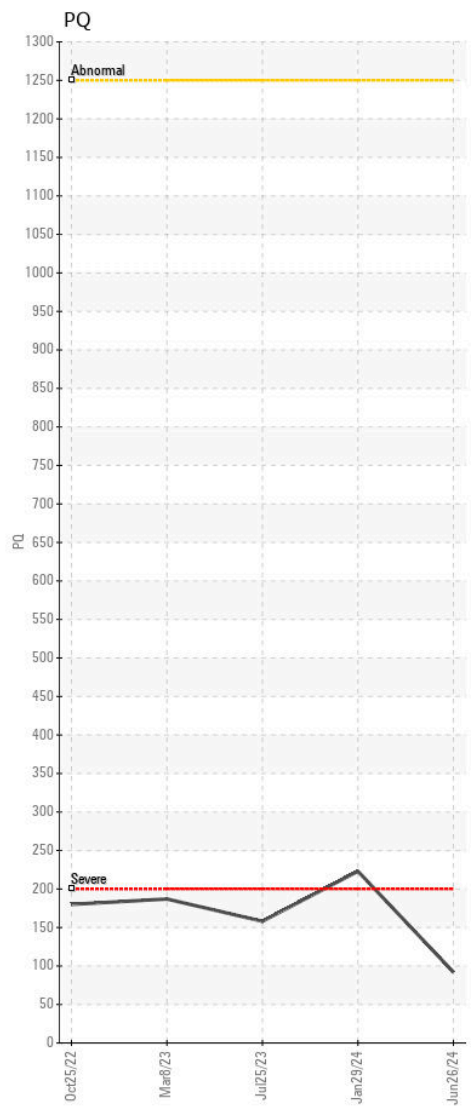
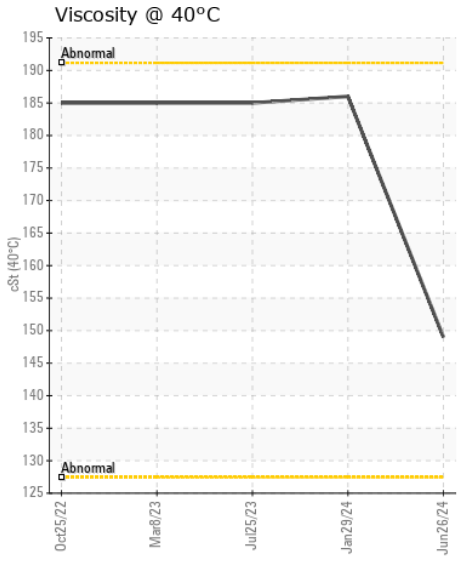
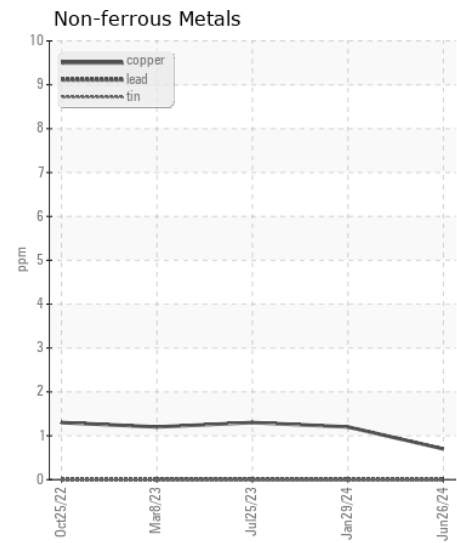
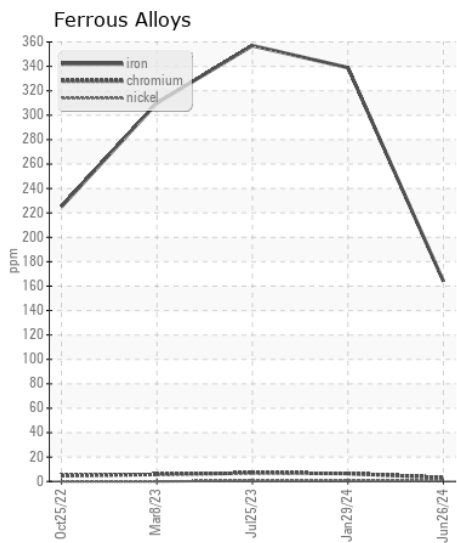
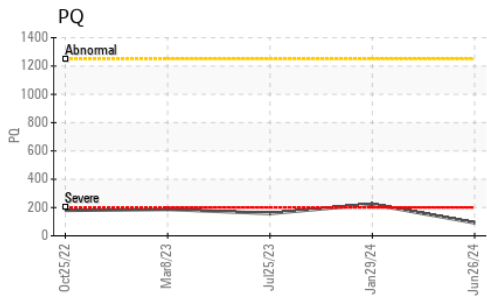
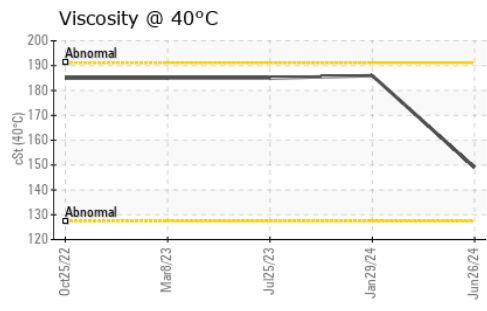
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>75	17	33	30
Potassium	ppm	ASTM D5185m	>20	3	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 fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	<1	0	1
Boron	ppm	ASTM D5185m		11	47	52
Barium	ppm	ASTM D5185m		2	11	11
Molybdenum	ppm	ASTM D5185m		1	0	<1
Manganese	ppm	ASTM D5185m		3	7	7
Magnesium	ppm	ASTM D5185m		4	3	0
Calcium	ppm	ASTM D5185m		4	17	16
Phosphorus	ppm	ASTM D5185m		344	474	549
Zinc	ppm	ASTM D5185m		14	43	34
Sulfur	ppm	ASTM D5185m		19410	13941	18743
Visc @ 40°C	cSt	ASTM D445		149	186	185



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0217393 **Received** : 27 Jun 2024
Lab Number : 06222551 **Tested** : 28 Jun 2024
Unique Number : 11100748 **Diagnosed** : 28 Jun 2024 - Angela Borella
Test Package : CONST (Additional Tests: PQ)

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

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)