



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[W8802]
 Machine Id
JOHN DEERE 210G 1FF210GXANF530548
 Component
Pump Drive
 Fluid
JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (1 QTS)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W8802)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0197218	JR0197064	JR0141124
Sample Date		Client Info		22 Apr 2024	24 Jan 2024	25 Jul 2023
Machine Age	hrs	Client Info		1440	972	442
Oil Age	hrs	Client Info		468	972	442
Filter Age	hrs	Client Info		0	0	442
Oil Changed		Client Info		Not Chngd	Changed	Not Chngd
Filter Changed		Client Info		N/A	N/A	Not Chngd
Sample Status				NORMAL	NORMAL	ATTENTION

WEAR

All component wear rates are normal.

PQ		ASTM D8184		18	16	15
Iron	ppm	ASTM D5185m	>151	58	48	39
Chromium	ppm	ASTM D5185m	>11	1	<1	1
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>21	6	3	3
Lead	ppm	ASTM D5185m	>51	0	<1	0
Copper	ppm	ASTM D5185m	>51	<1	2	2
Tin	ppm	ASTM D5185m	>4	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

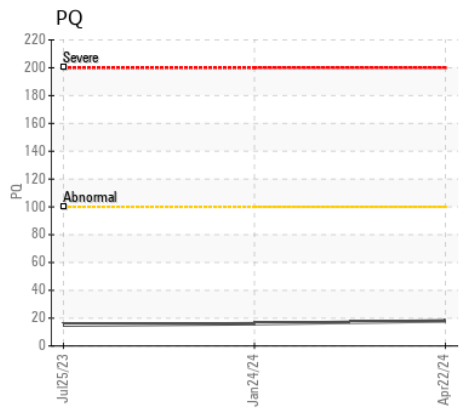
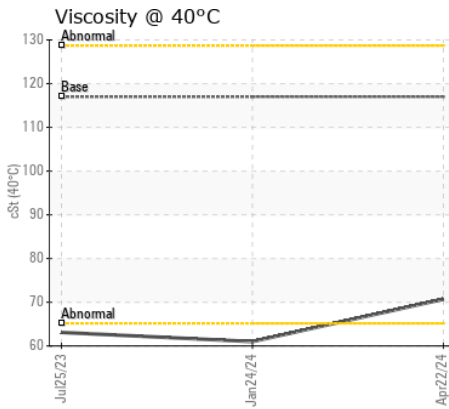
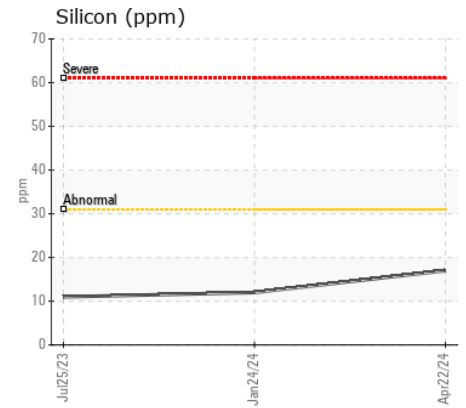
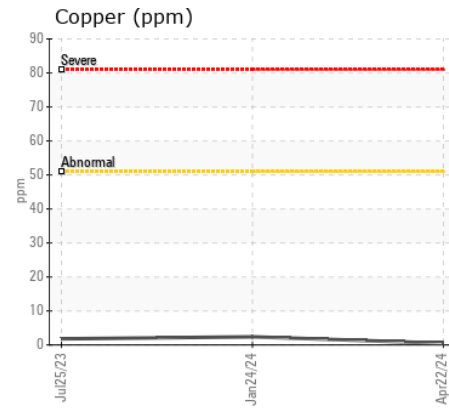
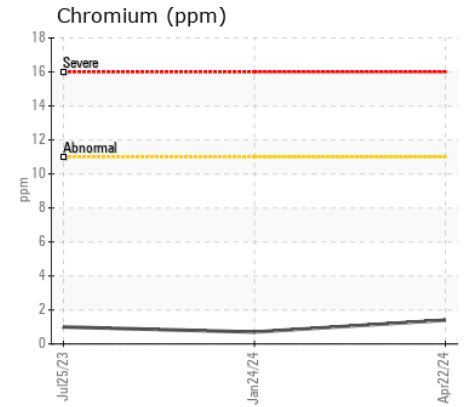
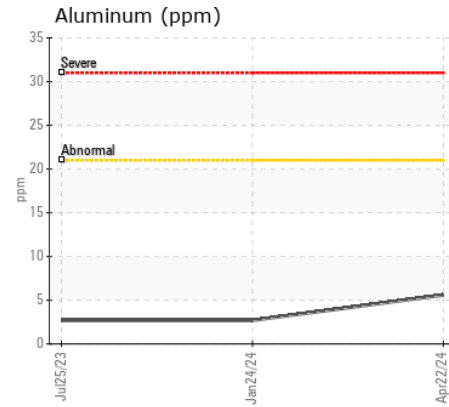
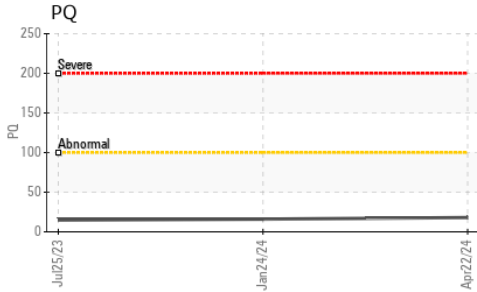
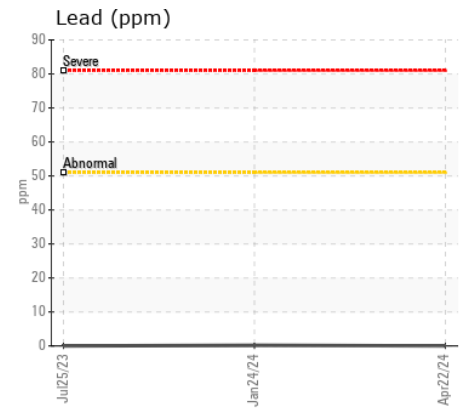
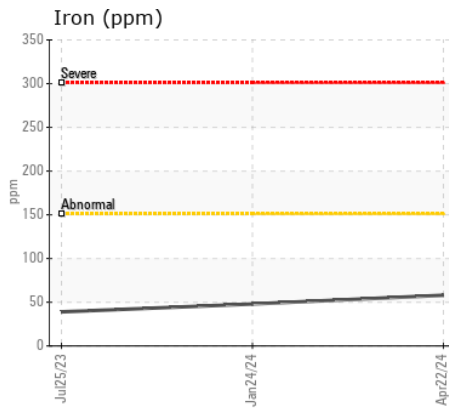
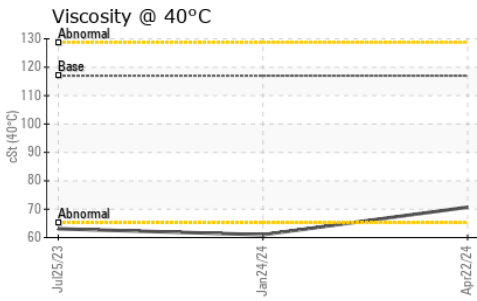
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	17	12	11
Potassium	ppm	ASTM D5185m	>20	2	3	3
Water		WC Method	>0.1	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	>0.1	NEG	NEG	NEG

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	2	0	1
Boron	ppm	ASTM D5185m		306	59	67
Barium	ppm	ASTM D5185m		<1	<1	4
Molybdenum	ppm	ASTM D5185m		247	111	105
Manganese	ppm	ASTM D5185m		1	3	3
Magnesium	ppm	ASTM D5185m		774	13	13
Calcium	ppm	ASTM D5185m		1618	4278	4044
Phosphorus	ppm	ASTM D5185m		1068	1217	1181
Zinc	ppm	ASTM D5185m		1132	1421	1320
Sulfur	ppm	ASTM D5185m		3951	9896	8536
Visc @ 40°C	cSt	ASTM D445	117	70.7	61.0	63.1



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : JR0197218

Lab Number : 06159355

Unique Number : 10994778

Test Package : MOBCE (Additional Tests: PQ)

Received : 24 Apr 2024

Tested : 25 Apr 2024

Diagnosed : 26 Apr 2024 - Don Baldrige

JRE - HOPE MILLS/FAYETTEVILLE

5039 HWY 301 SOUTH

HOPE MILLS, NC

US 28348

Contact: FAYETTEVILLE SHOP

stephen.mullis@jamesriverequipment.com;canastasio@wearcheck.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)

T:

F: