



WEAR	SEVERE
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION



Area
[W8149]
 Machine Id
JOHN DEERE 210G 1FF210GXPLF528921
 Component
Pump Drive
 Fluid
JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (--- GAL)

RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. (Customer Sample Comment: W8149)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0183216	JR0098024	JR0098600
Sample Date		Client Info		14 Nov 2023	14 Sep 2022	28 Feb 2022
Machine Age	hrs	Client Info		2748	1524	967
Oil Age	hrs	Client Info		656	557	967
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				SEVERE	ATTENTION	NORMAL

WEAR

Gear wear is indicated.

PQ		ASTM D8184		243	10	21
Iron	ppm	ASTM D5185m	>151	919	182	46
Chromium	ppm	ASTM D5185m	>11	11	2	1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>21	2	3	<1
Lead	ppm	ASTM D5185m	>51	0	0	0
Copper	ppm	ASTM D5185m	>51	2	<1	1
Tin	ppm	ASTM D5185m	>4	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

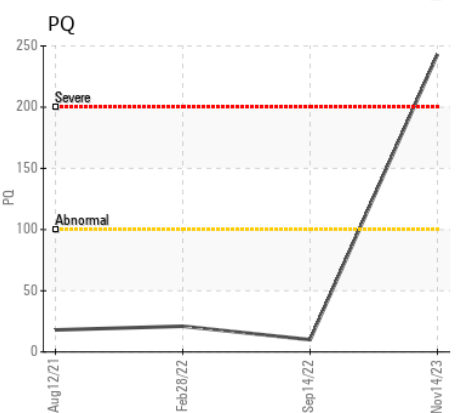
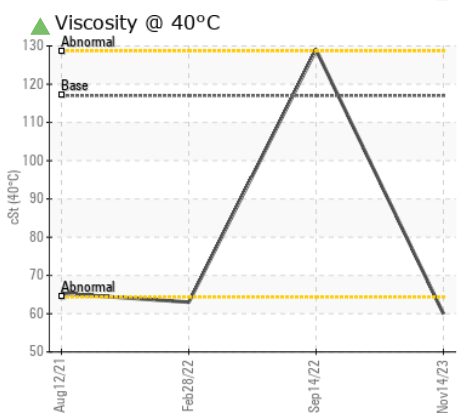
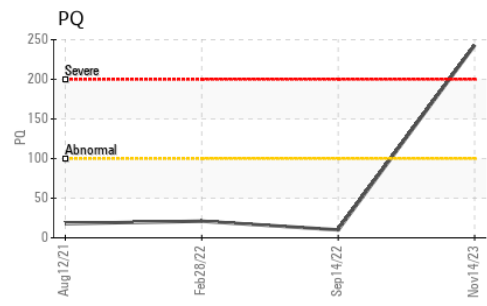
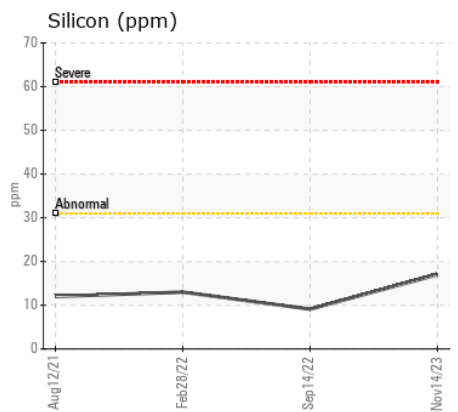
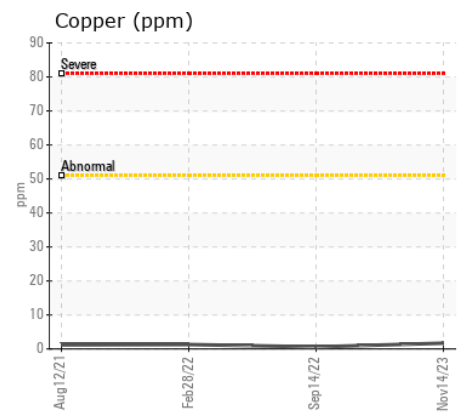
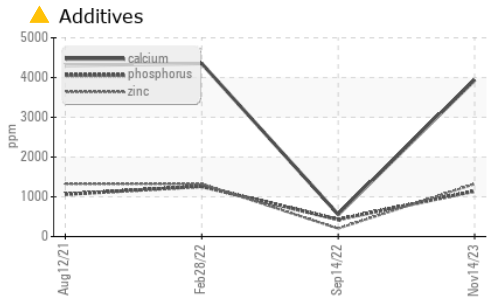
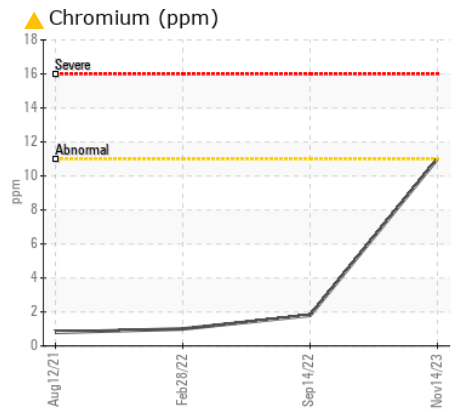
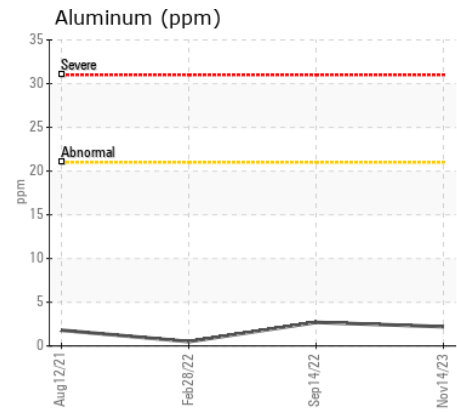
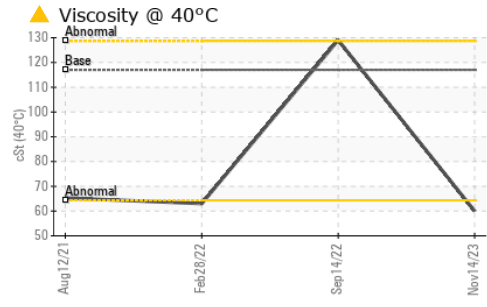
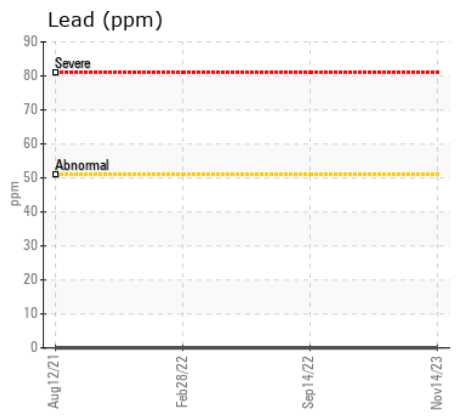
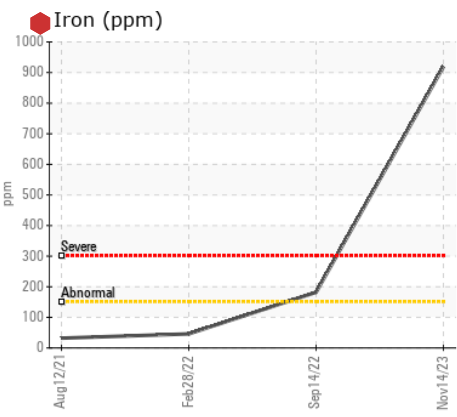
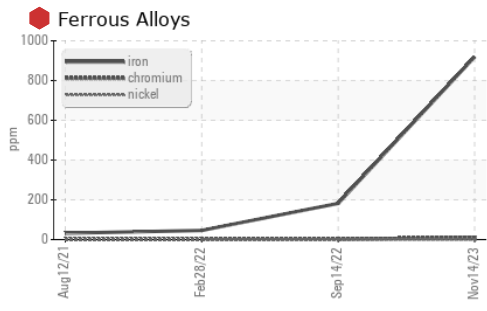
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	17	9	13
Potassium	ppm	ASTM D5185m	>20	0	0	0
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 oil viscosity is lower than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Sodium	ppm	ASTM D5185m	>51	4	<1	2
Boron	ppm	ASTM D5185m		57	11	65
Barium	ppm	ASTM D5185m		2	0	0
Molybdenum	ppm	ASTM D5185m		103	18	108
Manganese	ppm	ASTM D5185m		11	2	3
Magnesium	ppm	ASTM D5185m		19	13	19
Calcium	ppm	ASTM D5185m		3935	557	4353
Phosphorus	ppm	ASTM D5185m		1143	428	1262
Zinc	ppm	ASTM D5185m		1322	202	1326
Sulfur	ppm	ASTM D5185m		7400	12407	7364
Visc @ 40°C	cSt	ASTM D445	117	60.0	129	63.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0183216 **Received** : 15 Nov 2023
Lab Number : 06008597 **Tested** : 16 Nov 2023
Unique Number : 10742359 **Diagnosed** : 17 Nov 2023 - Sean Felton
Test Package : MOBCE (Additional Tests: PQ)

JRE - HOPE MILLS/FAYETTEVILLE
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 HOPE MILLS, NC
 US 28348
 Contact: FAYETTEVILLE SHOP
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 T:
 F:

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)