



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
JOHN DEERE 210G 1FF210GXCKF528087
Component
Pump Drive
Fluid
JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0203303	JR0140032	JR0116968
Sample Date		Client Info		13 Feb 2024	05 Oct 2022	15 Feb 2022
Machine Age	hrs	Client Info		2487	1479	1043
Oil Age	hrs	Client Info		2051	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Filter Changed		Client Info		None	N/A	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		15	11	16
Iron	ppm	ASTM D5185m	>151	70	55	51
Chromium	ppm	ASTM D5185m	>11	1	2	1
Nickel	ppm	ASTM D5185m	>10	0	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	<1	<1
Aluminum	ppm	ASTM D5185m	>21	1	<1	3
Lead	ppm	ASTM D5185m	>51	0	1	0
Copper	ppm	ASTM D5185m	>51	6	6	6
Tin	ppm	ASTM D5185m	>4	0	<1	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	MODER	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

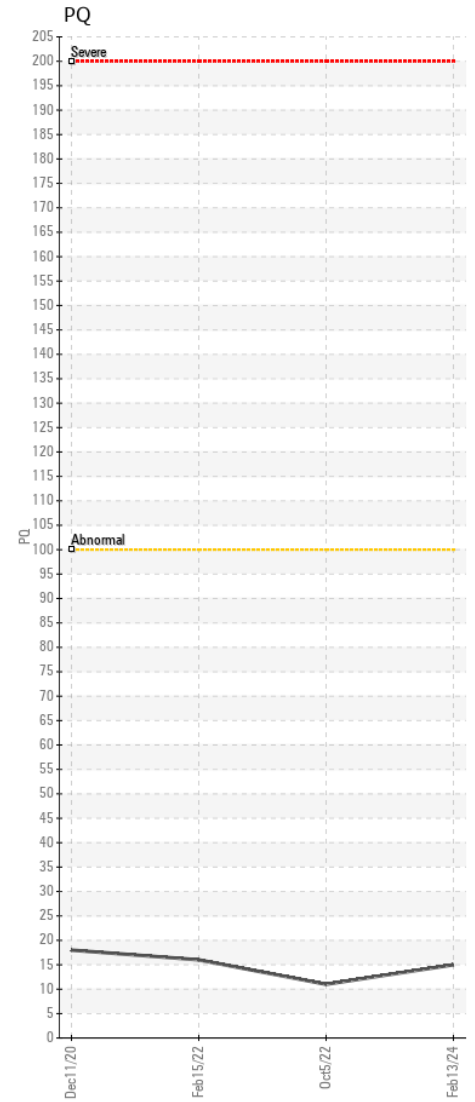
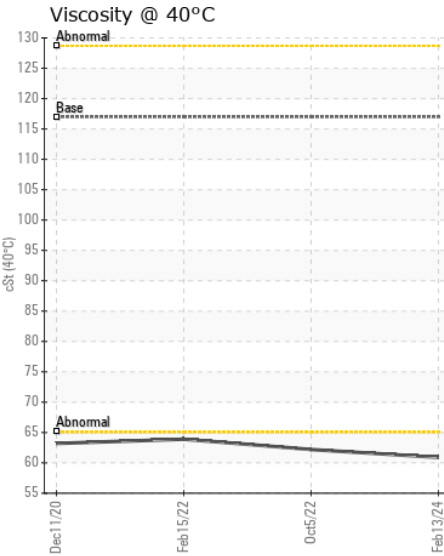
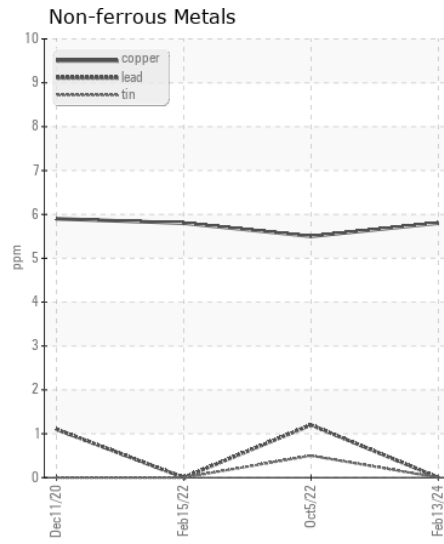
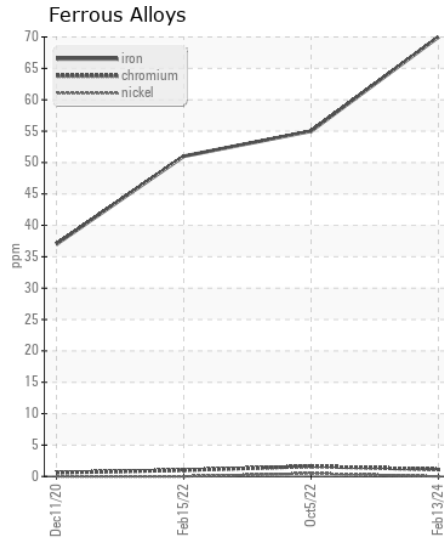
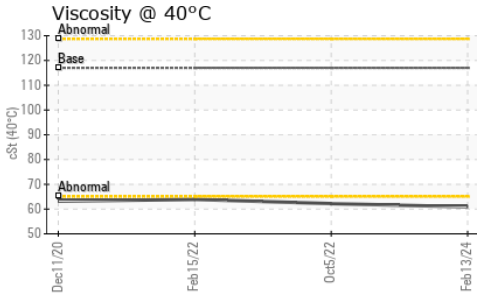
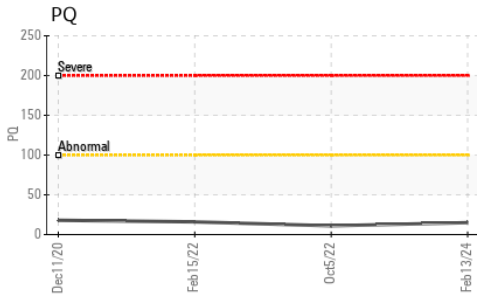
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	16	18	15
Potassium	ppm	ASTM D5185m	>20	3	0	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	1	4	3
Boron	ppm	ASTM D5185m		99	107	114
Barium	ppm	ASTM D5185m		15	0	<1
Molybdenum	ppm	ASTM D5185m		134	132	144
Manganese	ppm	ASTM D5185m		1	2	2
Magnesium	ppm	ASTM D5185m		142	159	163
Calcium	ppm	ASTM D5185m		3296	3752	3984
Phosphorus	ppm	ASTM D5185m		1024	1158	1260
Zinc	ppm	ASTM D5185m		1225	1317	1454
Sulfur	ppm	ASTM D5185m		7787	8437	7583
Visc @ 40°C	cSt	ASTM D445	117	60.9	62.2	63.9



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0203303 **Received** : 14 Feb 2024
Lab Number : 06089692 **Tested** : 16 Feb 2024
Unique Number : 10877137 **Diagnosed** : 16 Feb 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

JRE - MANASSAS PARK
 9107 OWENS DRIVE
 MANASSAS PARK, VA
 US 20111

Contact: DON VEST
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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)