



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Area
[W66274]
 Machine Id
JOHN DEERE 210G 1FF210GXEJF526174
 Component
Pump Drive
 Fluid
JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (2 QTS)

RECOMMENDATION

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. (Customer Sample Comment: W66274)

WEAR

All component wear rates are normal.

CONTAMINATION

There is a light concentration of water present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material.

FLUID CONDITION

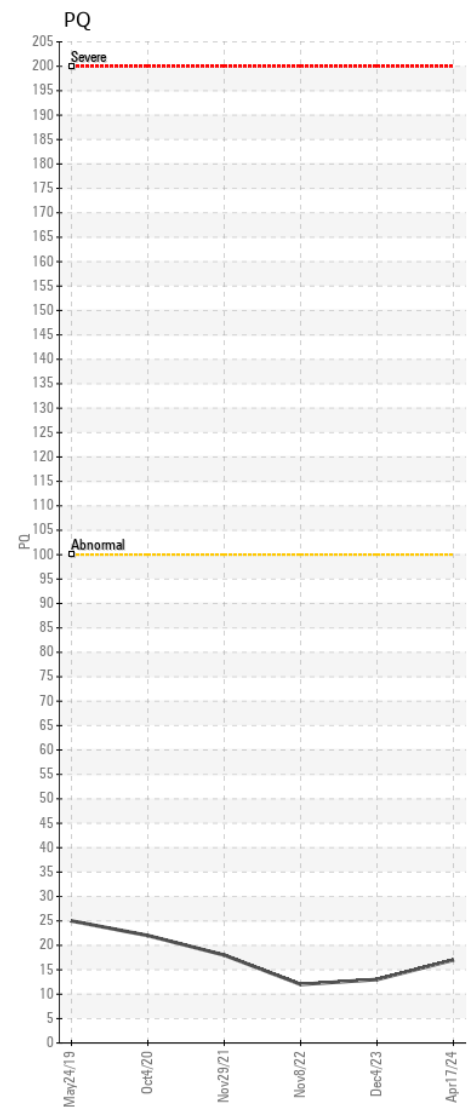
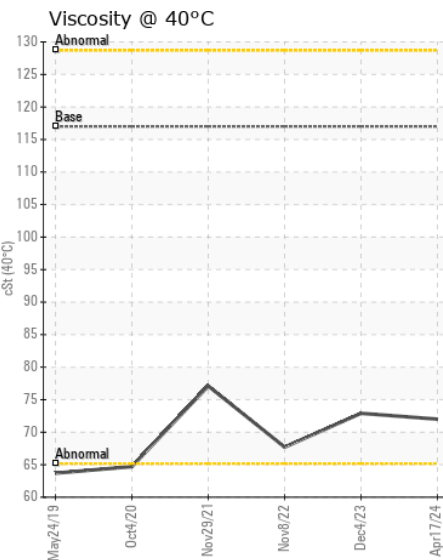
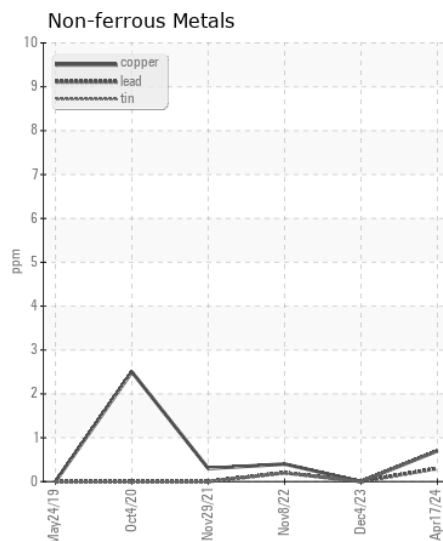
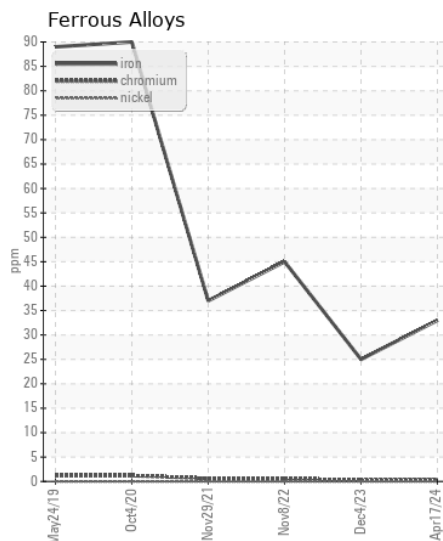
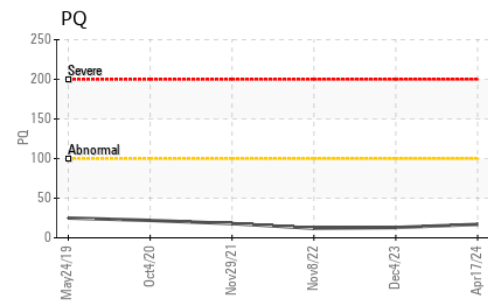
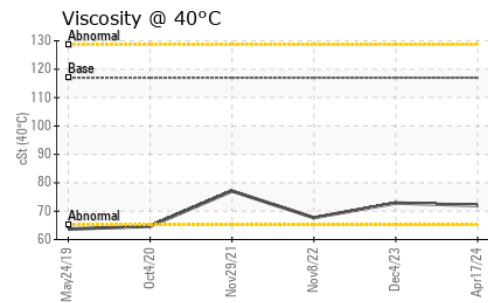
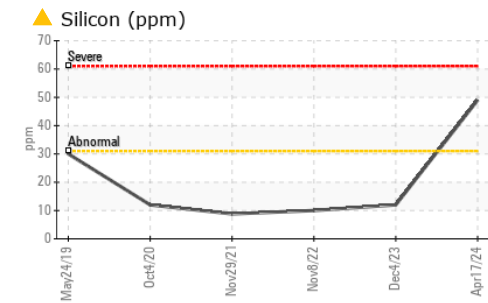
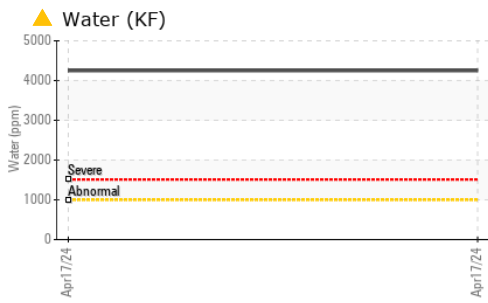
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0205509	JR0188952	JR0150195
Sample Date		Client Info		17 Apr 2024	04 Dec 2023	08 Nov 2022
Machine Age	hrs	Client Info		2970	2574	2096
Oil Age	hrs	Client Info		2492	478	500
Filter Age	hrs	Client Info		0	0	500
Oil Changed		Client Info		Changed	Not Changed	Changed
Filter Changed		Client Info		Not Changed	Not Changed	Changed
Sample Status				ABNORMAL	NORMAL	ABNORMAL

PQ		ASTM D8184		17	13	12
Iron	ppm	ASTM D5185m	>151	33	25	45
Chromium	ppm	ASTM D5185m	>11	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>21	7	7	3
Lead	ppm	ASTM D5185m	>51	<1	0	<1
Copper	ppm	ASTM D5185m	>51	<1	0	<1
Tin	ppm	ASTM D5185m	>4	<1	0	<1
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>31	▲ 49	12	10
Potassium	ppm	ASTM D5185m	>20	5	<1	0
Water	%	ASTM D6304	>0.1	▲ 0.425	---	---
ppm Water	ppm	ASTM D6304	>1000	▲ 4250	---	---
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	▲ MODER
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	▲ 0.2%	NEG	NEG

Sodium	ppm	ASTM D5185m	>51	22	2	3
Boron	ppm	ASTM D5185m		273	277	258
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		224	239	222
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		719	803	670
Calcium	ppm	ASTM D5185m		1582	1538	1671
Phosphorus	ppm	ASTM D5185m		880	963	905
Zinc	ppm	ASTM D5185m		898	1094	991
Sulfur	ppm	ASTM D5185m		3450	3368	4325
Visc @ 40°C	cSt	ASTM D445	117	72.0	72.9	67.7



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0205509 **Received** : 19 Apr 2024
Lab Number : 06154729 **Tested** : 23 Apr 2024
Unique Number : 10990152 **Diagnosed** : 23 Apr 2024 - Sean Felton
Test Package : CONST (Additional Tests: KF, PQ)

JRE - CHARLOTTE
 9550 STATESVILLE ROAD
 CHARLOTTE, NC
 US 28269

Contact: CHARLOTTE SHOP
 myoung@jamesriverequipment.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)

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