



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[W68335]
 Machine Id
JOHN DEERE 210G 1FF210GXHNF530200
 Component
Pump Drive
 Fluid
JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (1 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W68335)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0220419	JR0168233	---
Sample Date		Client Info		16 Jul 2024	19 May 2023	---
Machine Age	hrs	Client Info		2262	1124	---
Oil Age	hrs	Client Info		1138	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		24	18	---
Iron	ppm	ASTM D5185m	>151	83	66	---
Chromium	ppm	ASTM D5185m	>11	1	1	---
Nickel	ppm	ASTM D5185m	>10	0	0	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>21	4	1	---
Lead	ppm	ASTM D5185m	>51	0	0	---
Copper	ppm	ASTM D5185m	>51	0	1	---
Tin	ppm	ASTM D5185m	>4	0	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

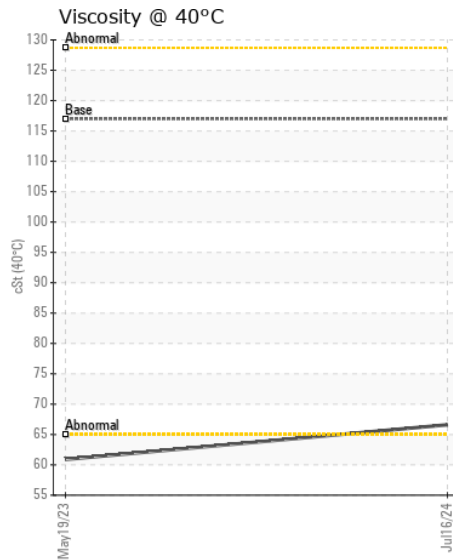
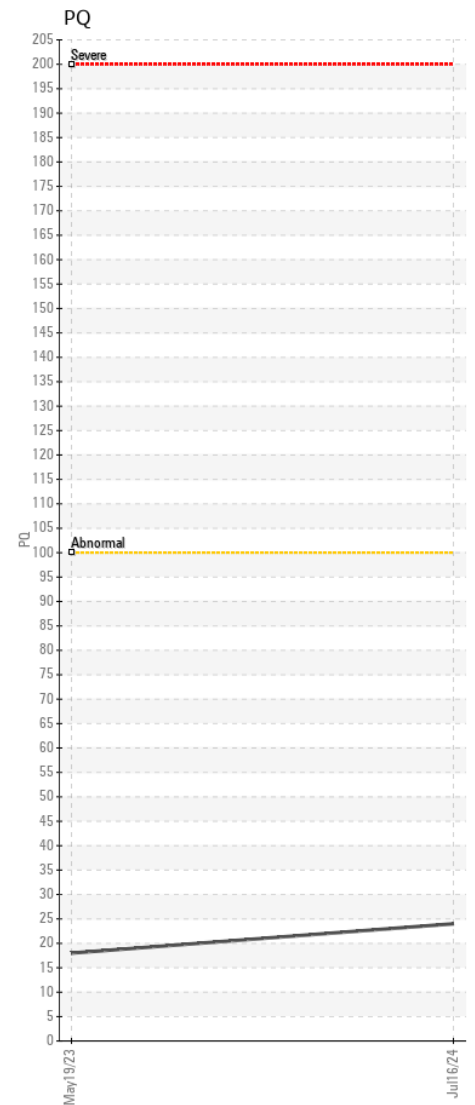
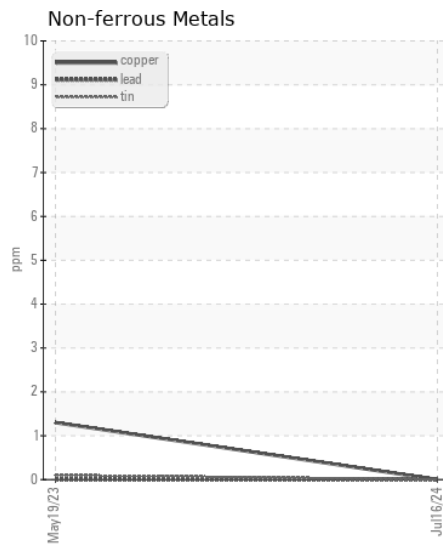
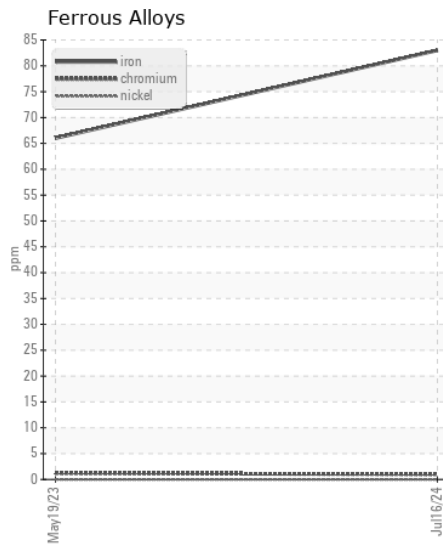
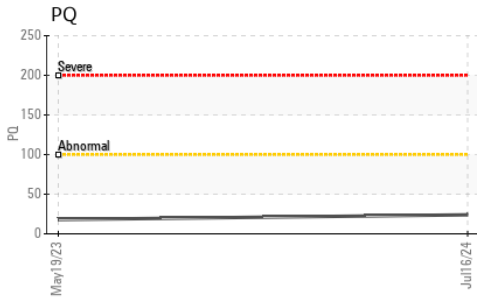
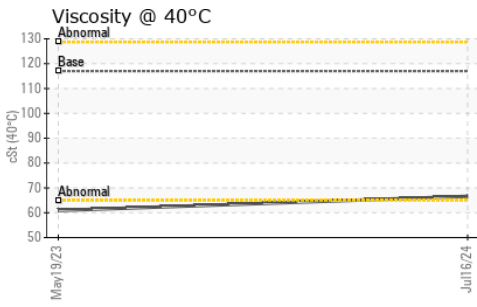
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	29	15	---
Potassium	ppm	ASTM D5185m	>20	<1	1	---
Water		WC Method	>0.1	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	5	5	---
Boron	ppm	ASTM D5185m		256	61	---
Barium	ppm	ASTM D5185m		1	2	---
Molybdenum	ppm	ASTM D5185m		228	104	---
Manganese	ppm	ASTM D5185m		1	2	---
Magnesium	ppm	ASTM D5185m		688	16	---
Calcium	ppm	ASTM D5185m		1760	4125	---
Phosphorus	ppm	ASTM D5185m		929	1185	---
Zinc	ppm	ASTM D5185m		996	1375	---
Sulfur	ppm	ASTM D5185m		4264	9869	---
Visc @ 40°C	cSt	ASTM D445	117	66.6	60.9	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0220419 **Received** : 18 Jul 2024
Lab Number : 06240549 **Tested** : 19 Jul 2024
Unique Number : 11129383 **Diagnosed** : 20 Jul 2024 - Don Baldrige
Test Package : CONST (Additional Tests: 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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