



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
1FF250PAPPF000110
 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		JR0206241	JR0189123	---
Sample Date		Client Info		15 Apr 2024	07 Nov 2023	---
Machine Age	hrs	Client Info		1012	506	---
Oil Age	hrs	Client Info		1012	506	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Not Changd	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		22	16	---
Iron	ppm	ASTM D5185m	>500	66	44	---
Chromium	ppm	ASTM D5185m	>15	2	<1	---
Nickel	ppm	ASTM D5185m	>10	<1	0	---
Titanium	ppm	ASTM D5185m		1	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>20	6	2	---
Lead	ppm	ASTM D5185m		<1	<1	---
Copper	ppm	ASTM D5185m	>35	2	2	---
Tin	ppm	ASTM D5185m	>4	<1	<1	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

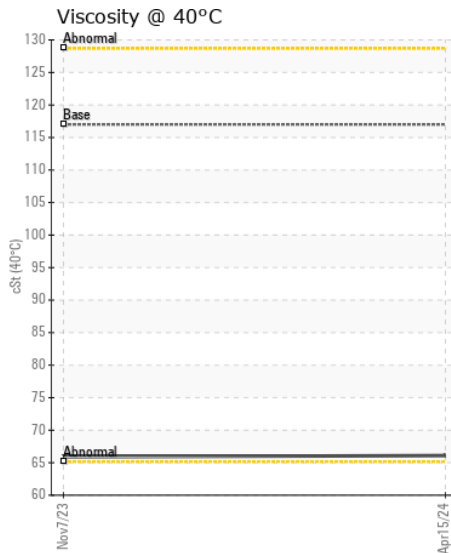
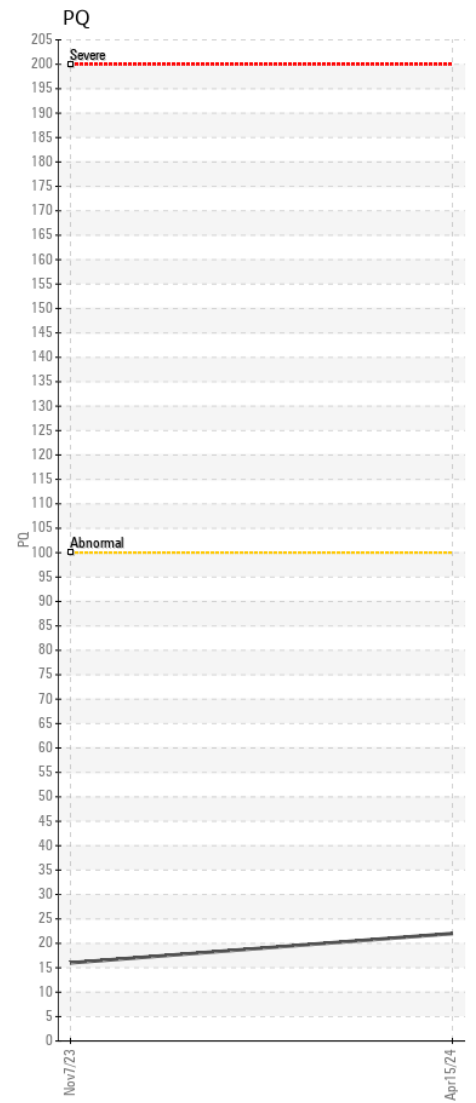
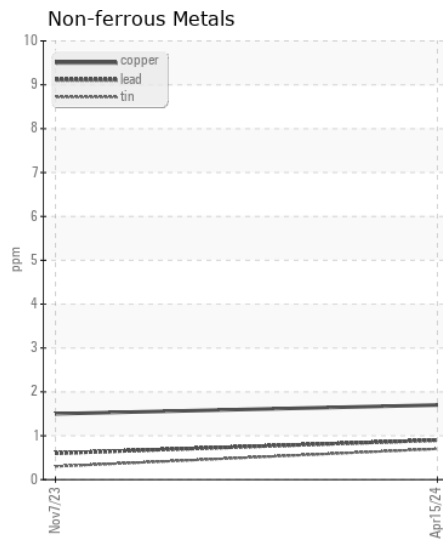
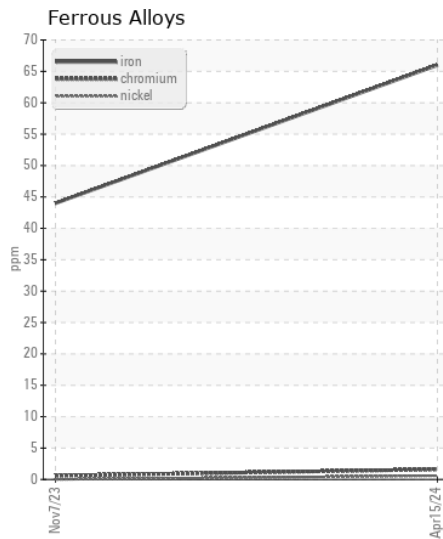
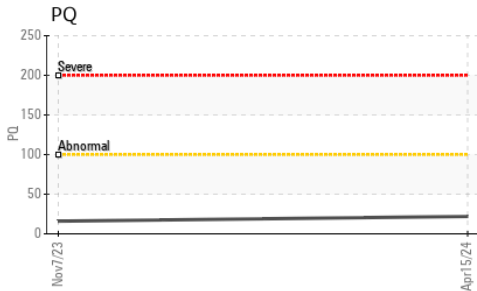
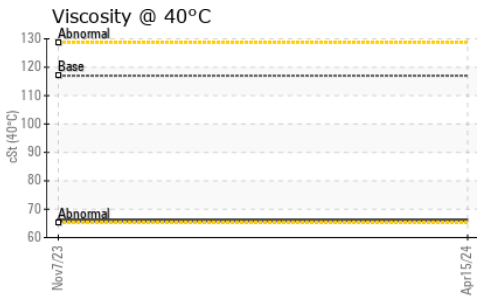
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	22	11	---
Potassium	ppm	ASTM D5185m	>20	4	2	---
Water		WC Method	>0.2	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	>0.2	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		1	4	---
Boron	ppm	ASTM D5185m		119	60	---
Barium	ppm	ASTM D5185m		6	5	---
Molybdenum	ppm	ASTM D5185m		133	107	---
Manganese	ppm	ASTM D5185m		2	2	---
Magnesium	ppm	ASTM D5185m		137	17	---
Calcium	ppm	ASTM D5185m		3636	4305	---
Phosphorus	ppm	ASTM D5185m		1222	1267	---
Zinc	ppm	ASTM D5185m		1299	1478	---
Sulfur	ppm	ASTM D5185m		8299	8112	---
Visc @ 40°C	cSt	ASTM D445	117	66.1	65.9	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0206241 **Received** : 18 Apr 2024
Lab Number : 06153421 **Tested** : 19 Apr 2024
Unique Number : 10983499 **Diagnosed** : 22 Apr 2024 - Angela Borella
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)

T: (704)597-0211
 F: (704)596-6198