



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
JRE-CHARLOTTE
 Machine Id
JOHN DEERE 310 P 1DW310PAEPFB06548
 Component
Front Axle
 Fluid
NOT GIVEN (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0192668	JR0178590	---
Sample Date		Client Info		16 Dec 2023	21 Aug 2023	---
Machine Age	hrs	Client Info		1253	558	---
Oil Age	hrs	Client Info		1253	558	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changed	Not Changed	---
Filter Changed		Client Info		Not Changed	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		18	236	---
Iron	ppm	ASTM D5185m	>750	1	336	---
Chromium	ppm	ASTM D5185m	>11	0	3	---
Nickel	ppm	ASTM D5185m	>10	0	4	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>21	<1	6	---
Lead	ppm	ASTM D5185m	>49	0	<1	---
Copper	ppm	ASTM D5185m	>101	<1	84	---
Tin	ppm	ASTM D5185m	>10	<1	6	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

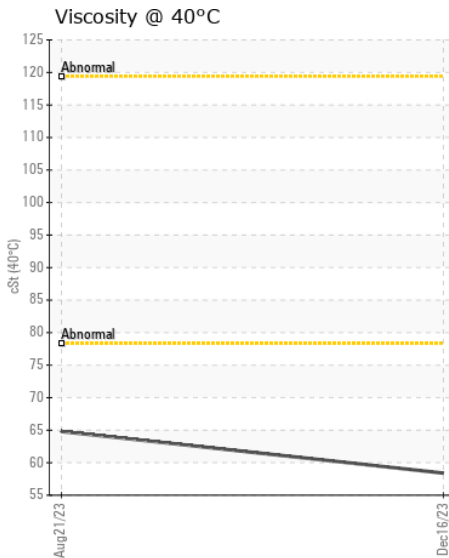
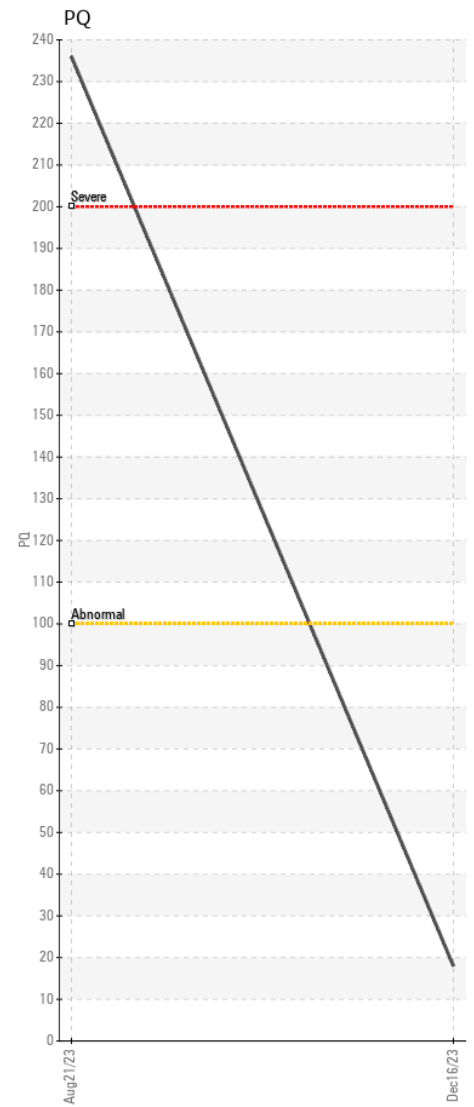
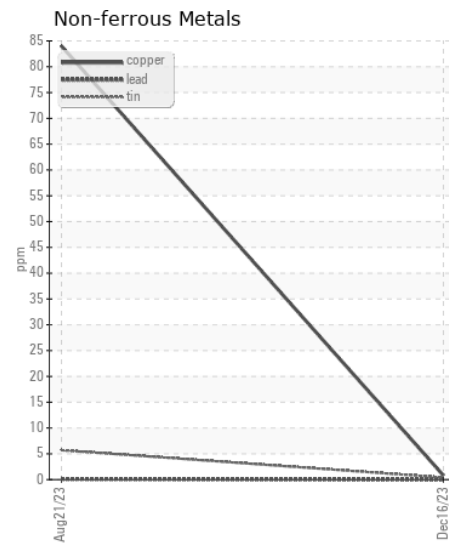
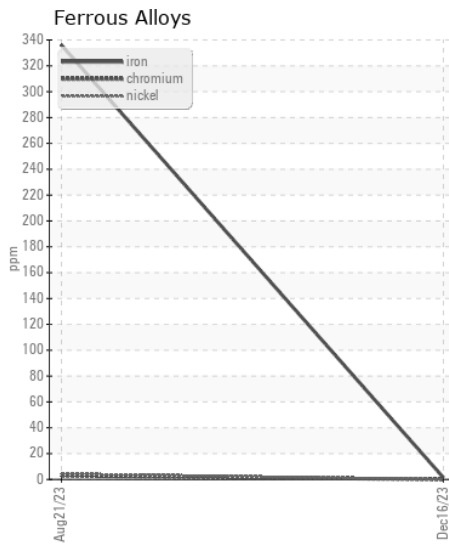
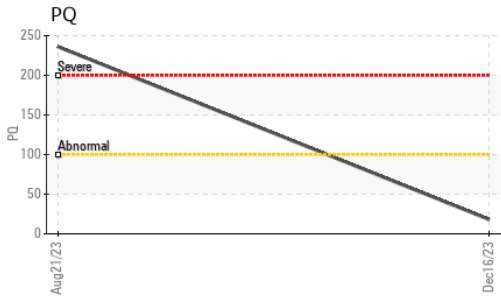
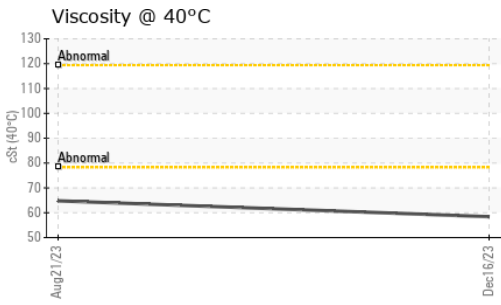
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	5	17	---
Potassium	ppm	ASTM D5185m	>20	0	<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	<1	21	---
Boron	ppm	ASTM D5185m		1	140	---
Barium	ppm	ASTM D5185m		<1	0	---
Molybdenum	ppm	ASTM D5185m		0	0	---
Manganese	ppm	ASTM D5185m		<1	37	---
Magnesium	ppm	ASTM D5185m		99	14	---
Calcium	ppm	ASTM D5185m		3137	3742	---
Phosphorus	ppm	ASTM D5185m		968	1247	---
Zinc	ppm	ASTM D5185m		1184	1546	---
Sulfur	ppm	ASTM D5185m		3229	4408	---
Visc @ 40°C	cSt	ASTM D445		58.4	64.8	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0192668 **Received** : 12 Jan 2024
Lab Number : 06059478 **Diagnosed** : 15 Jan 2024
Unique Number : 10830860 **Diagnostician** : Wes Davis
Test Package : CONST (Additional Tests: PQ)

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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