



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
JOHN DEERE 700J T0700JX116791
Component
Hydrostatic
Fluid
{not provided} (--- QTS)

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		JR0208772	JR0103281	---
Sample Date		Client Info		20 Mar 2024	10 Nov 2021	---
Machine Age	hrs	Client Info		5587	5377	---
Oil Age	hrs	Client Info		210	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

Test	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		20	39	---
Iron	ppm	ASTM D5185m	>31	11	▲ 40	---
Chromium	ppm	ASTM D5185m	>9	<1	▲ 18	---
Nickel	ppm	ASTM D5185m	>5	0	0	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		<1	<1	---
Aluminum	ppm	ASTM D5185m	>10	3	7	---
Lead	ppm	ASTM D5185m	>11	7	1	---
Copper	ppm	ASTM D5185m	>41	37	32	---
Tin	ppm	ASTM D5185m	>5	<1	<1	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	LIGHT	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

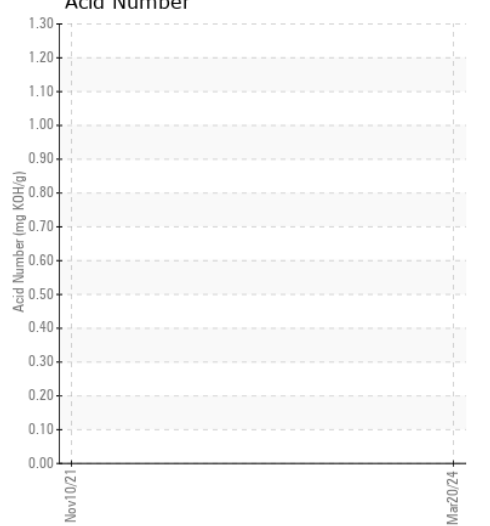
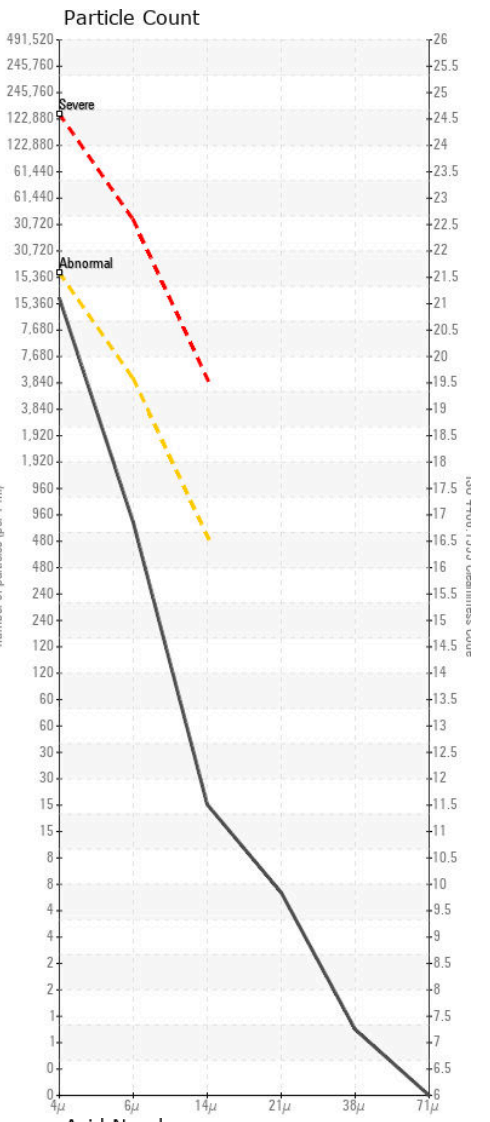
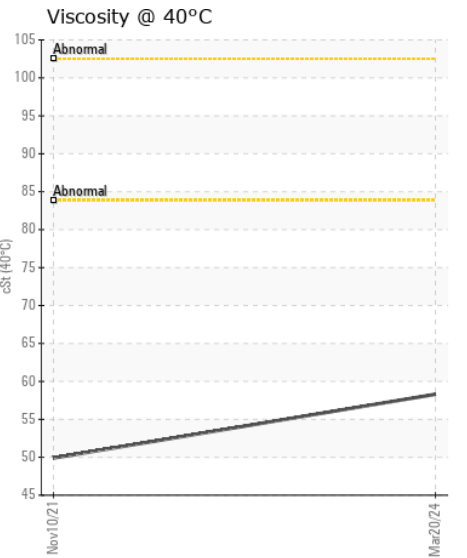
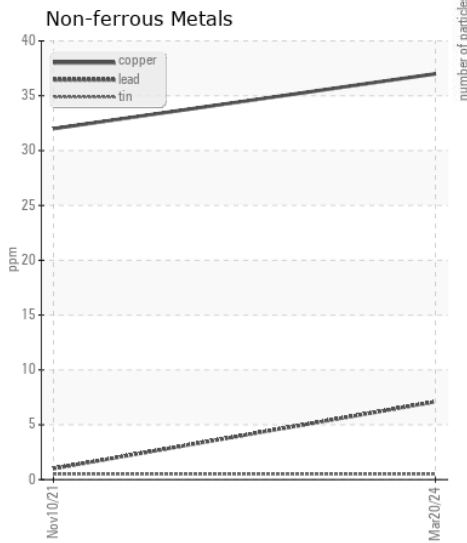
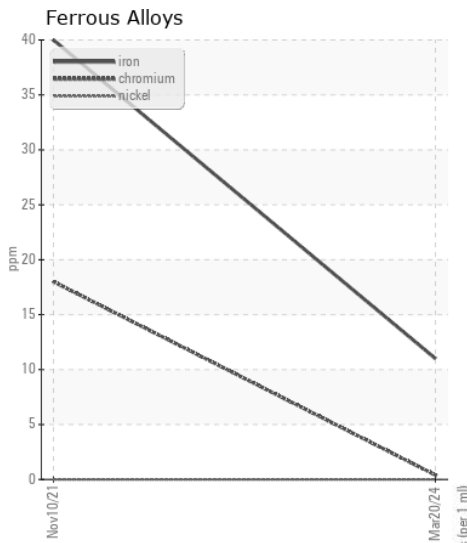
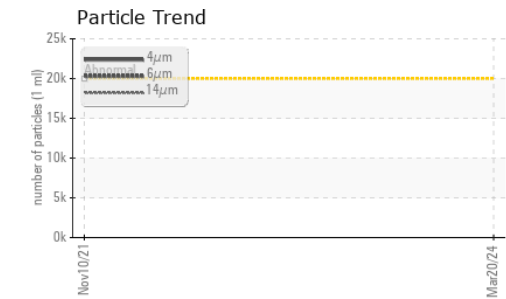
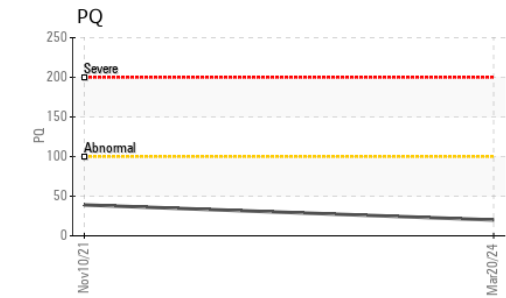
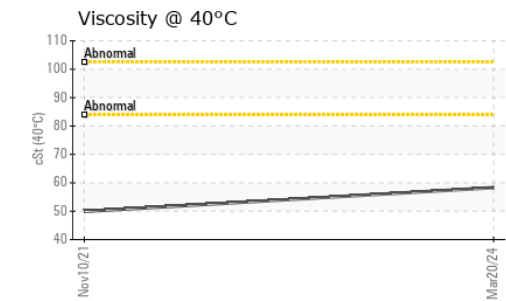
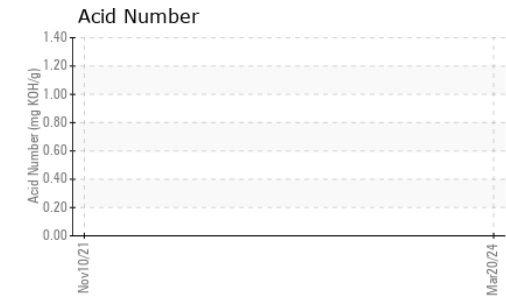
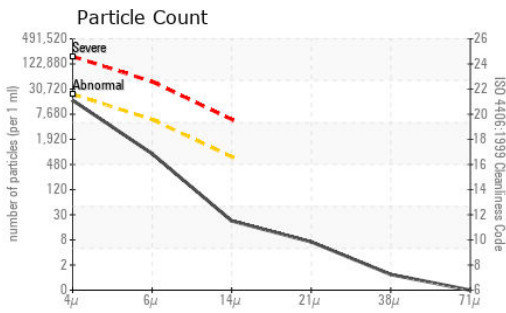
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185m	>31	21	16	---
Potassium	ppm	ASTM D5185m	>20	7	4	---
Water		WC Method	>0.1	NEG	NEG	---
Particles >4µm		ASTM D7647	>20000	14361	---	---
Particles >6µm		ASTM D7647	>5000	762	---	---
Particles >14µm		ASTM D7647	>640	19	---	---
Particles >21µm		ASTM D7647	>160	6	---	---
Particles >38µm		ASTM D7647	>40	1	---	---
Particles >71µm		ASTM D7647	>10	0	---	---
Oil Cleanliness		ISO 4406 (c)	>21/19/16	21/17/11	---	---
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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m	>21	<1	0	---
Boron	ppm	ASTM D5185m		64	19	---
Barium	ppm	ASTM D5185m		2	0	---
Molybdenum	ppm	ASTM D5185m		52	4	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m		300	0	---
Calcium	ppm	ASTM D5185m		1887	2170	---
Phosphorus	ppm	ASTM D5185m		875	780	---
Zinc	ppm	ASTM D5185m		1100	1003	---
Sulfur	ppm	ASTM D5185m		3428	1941	---
Acid Number (AN)	mg KOH/g	ASTM D8045		1.29	---	---
Visc @ 40°C	cSt	ASTM D445		58.3	49.9	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : JR0208772

Lab Number : 06125134

Unique Number : 10939285

Test Package : CONST (Additional Tests: PQ, PRTCOUNT)

Received : 21 Mar 2024

Tested : 27 Mar 2024

Diagnosed : 27 Mar 2024 - Wes Davis

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)

JRE - GREENVILLE

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GREENVILLE, NC

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