



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[05W42891]
 Machine Id
JOHN DEERE 700K 1T0700KXJJF332513
 Component
Hydraulic System
 Fluid
JOHN DEERE HYDRAU (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0187631	JR0153381	---
Sample Date		Client Info		11 Oct 2023	20 Dec 2022	---
Machine Age	hrs	Client Info		3950	3444	---
Oil Age	hrs	Client Info		2000	3444	---
Filter Age	hrs	Client Info		2000	3444	---
Oil Changed		Client Info		Changed	Not Changd	---
Filter Changed		Client Info		Changed	Not Changd	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>50	14	9	---
Iron	ppm	ASTM D5185m	>23	7	5	---
Chromium	ppm	ASTM D5185m	>9	7	5	---
Nickel	ppm	ASTM D5185m	>5	<1	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>9	0	2	---
Lead	ppm	ASTM D5185m	>28	3	3	---
Copper	ppm	ASTM D5185m	>51	26	23	---
Tin	ppm	ASTM D5185m	>5	<1	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

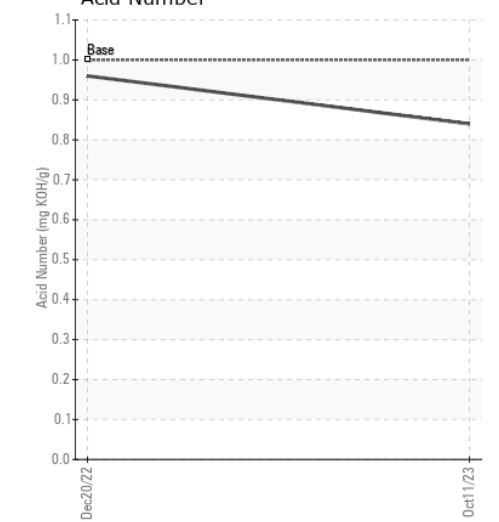
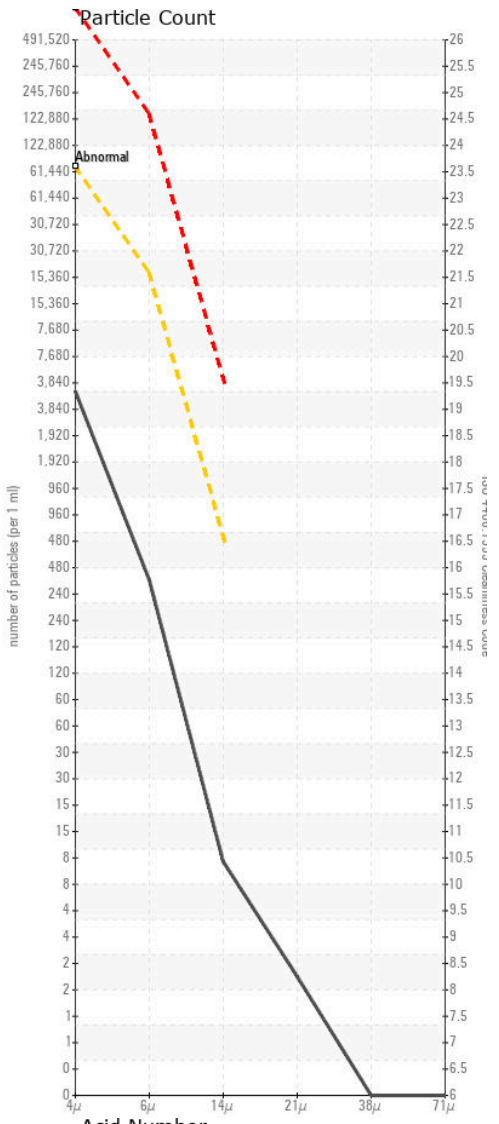
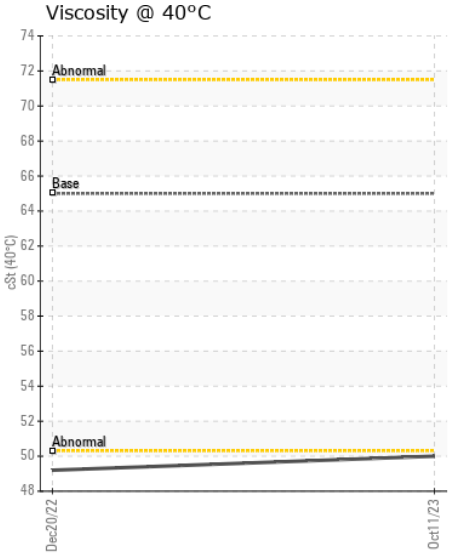
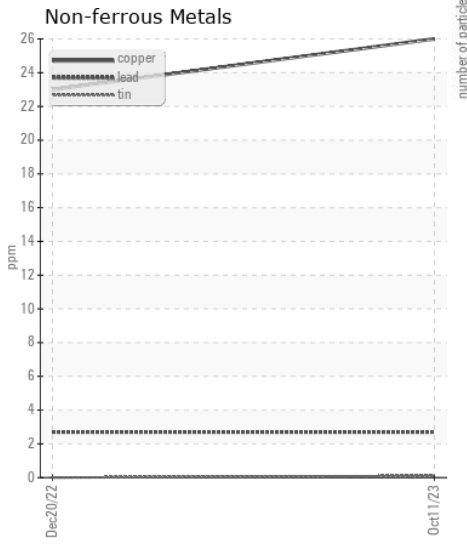
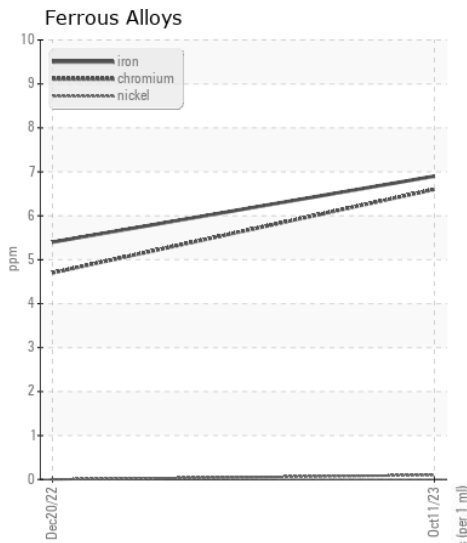
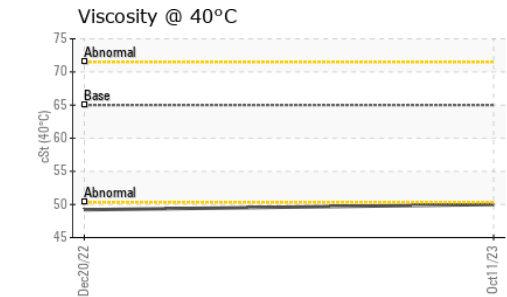
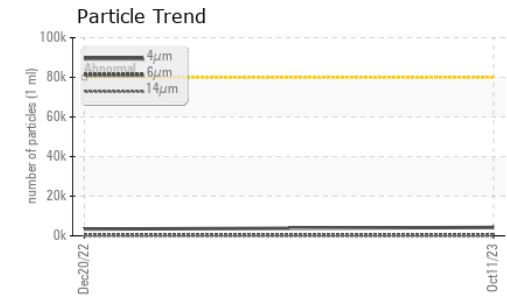
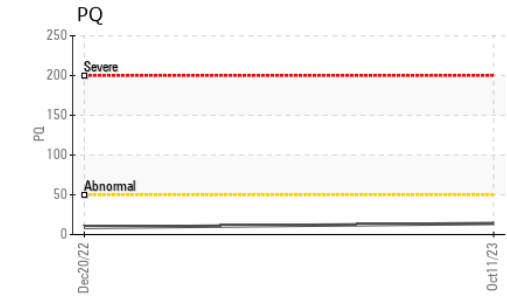
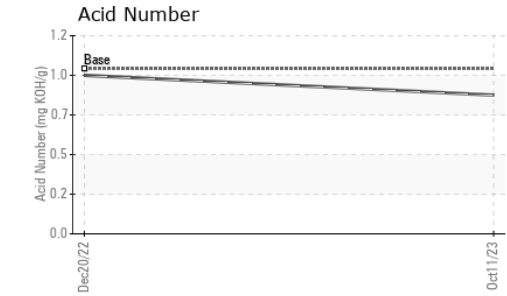
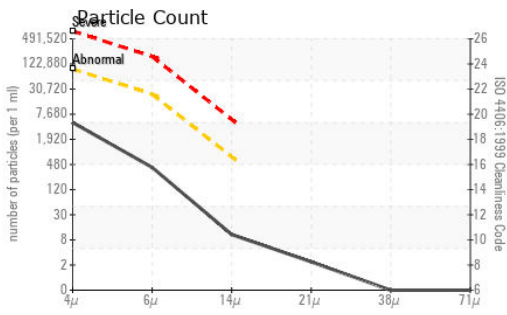
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>31	6	4	---
Potassium	ppm	ASTM D5185m	>20	2	2	---
Water		WC Method	>0.075	NEG	NEG	---
Particles >4µm		ASTM D7647	>80000	4245	3412	---
Particles >6µm		ASTM D7647	>20000	359	470	---
Particles >14µm		ASTM D7647	>640	9	18	---
Particles >21µm		ASTM D7647	>160	2	5	---
Particles >38µm		ASTM D7647	>40	0	1	---
Particles >71µm		ASTM D7647	>10	0	0	---
Oil Cleanliness		ISO 4406 (c)	>23/21/16	19/16/10	19/16/11	---
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	>0.075	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	0	0	---
Boron	ppm	ASTM D5185m		21	11	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		14	4	---
Manganese	ppm	ASTM D5185m		<1	0	---
Magnesium	ppm	ASTM D5185m		137	108	---
Calcium	ppm	ASTM D5185m	87	379	341	---
Phosphorus	ppm	ASTM D5185m	727	650	602	---
Zinc	ppm	ASTM D5185m	900	822	779	---
Sulfur	ppm	ASTM D5185m	1500	3094	3256	---
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.84	0.96	---
Visc @ 40°C	cSt	ASTM D445	65	50.0	49.2	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0187631 **Received** : 12 Oct 2023
Lab Number : 05977666 **Tested** : 13 Oct 2023
Unique Number : 10689616 **Diagnosed** : 16 Oct 2023 - Don Baldrige
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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