



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
JOHN DEERE 550K 1T0550KKHLF388068

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		JR0203880	JR0103043	---
Sample Date		Client Info		27 Feb 2024	03 Sep 2021	---
Machine Age	hrs	Client Info		478	206	---
Oil Age	hrs	Client Info		478	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		Not Changd	Not Changd	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>50	12	20	---
Iron	ppm	ASTM D5185m	>23	<1	<1	---
Chromium	ppm	ASTM D5185m	>9	<1	0	---
Nickel	ppm	ASTM D5185m	>5	<1	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		0	<1	---
Aluminum	ppm	ASTM D5185m	>9	<1	0	---
Lead	ppm	ASTM D5185m	>28	0	0	---
Copper	ppm	ASTM D5185m	>51	0	0	---
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

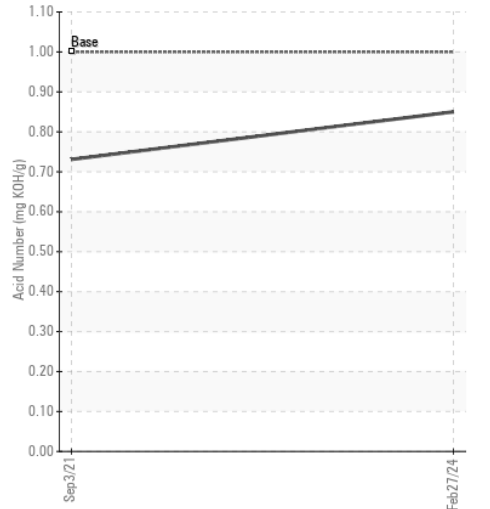
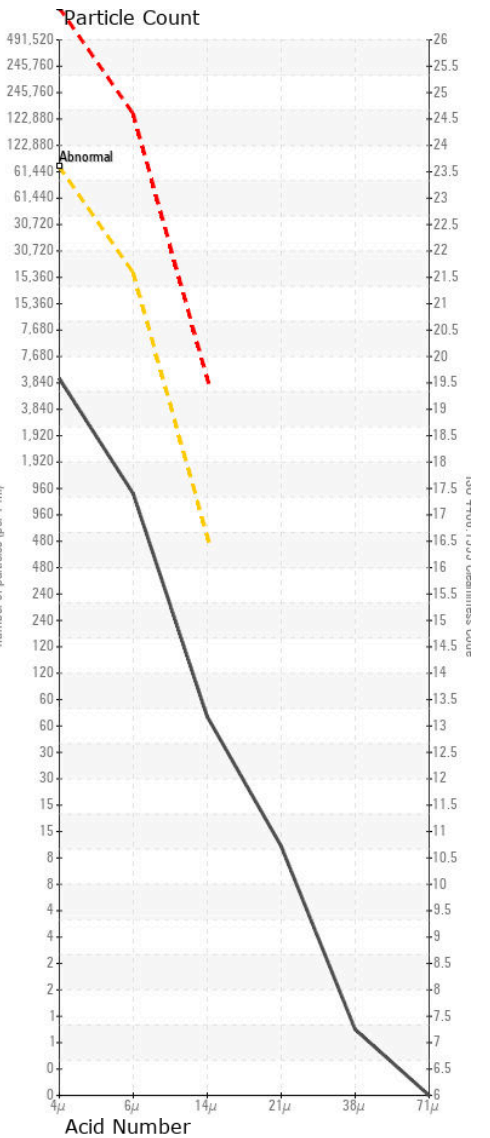
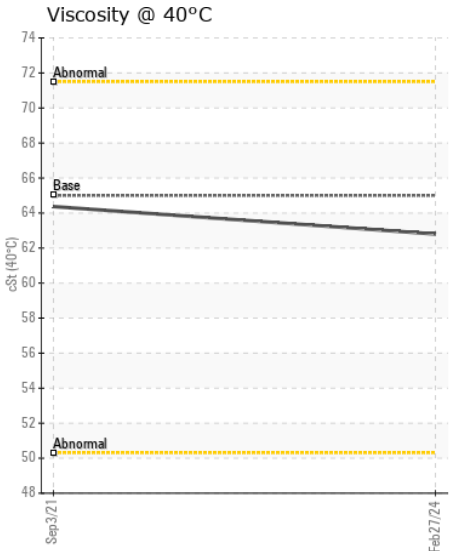
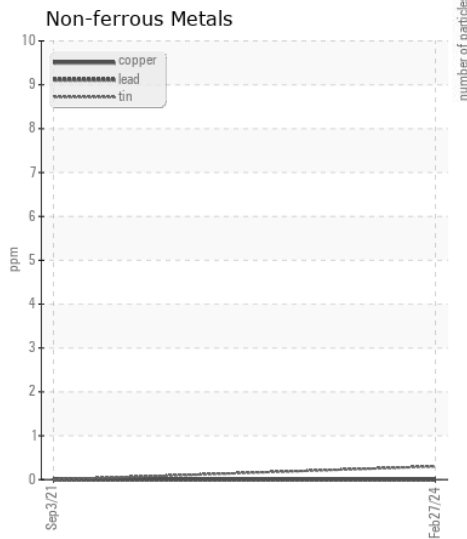
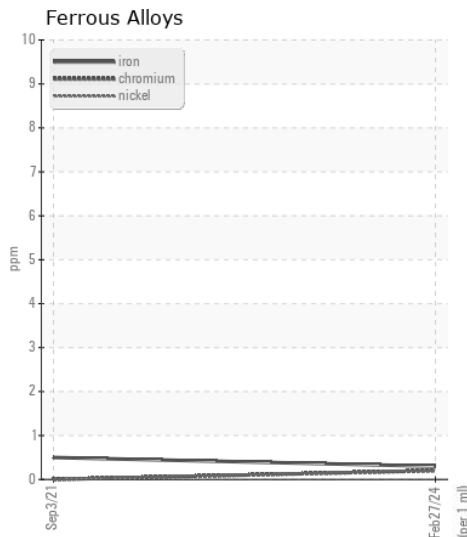
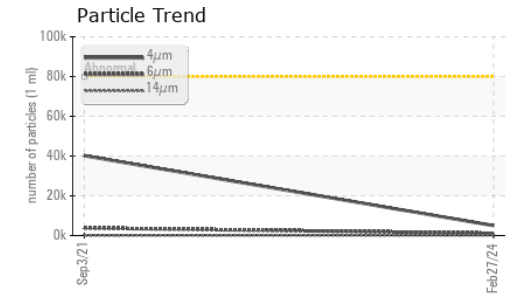
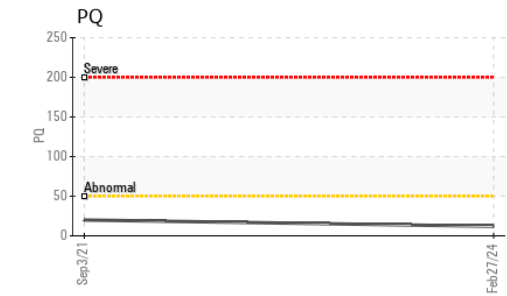
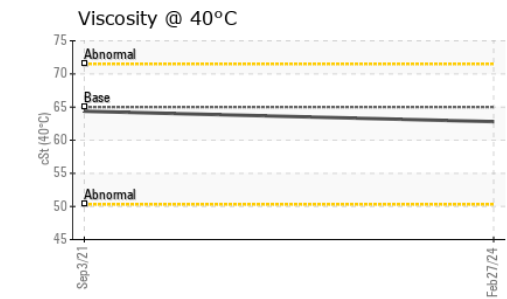
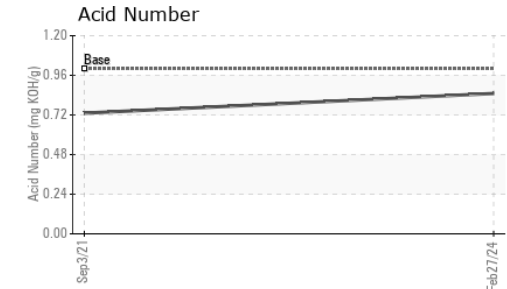
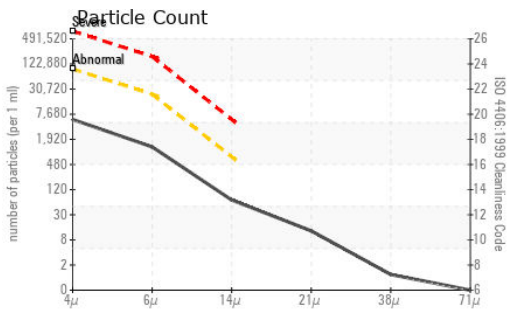
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185m	>31	<1	<1	---
Potassium	ppm	ASTM D5185m	>20	<1	0	---
Water		WC Method	>0.075	NEG	NEG	---
Particles >4µm		ASTM D7647	>80000	5015	40182	---
Particles >6µm		ASTM D7647	>20000	1109	3821	---
Particles >14µm		ASTM D7647	>640	60	59	---
Particles >21µm		ASTM D7647	>160	11	7	---
Particles >38µm		ASTM D7647	>40	1	0	---
Particles >71µm		ASTM D7647	>10	0	0	---
Oil Cleanliness		ISO 4406 (c)	>23/21/16	20/17/13	23/19/13	---
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		4	6	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		4	6	---
Manganese	ppm	ASTM D5185m		<1	0	---
Magnesium	ppm	ASTM D5185m		14	20	---
Calcium	ppm	ASTM D5185m	87	99	113	---
Phosphorus	ppm	ASTM D5185m	727	681	615	---
Zinc	ppm	ASTM D5185m	900	872	780	---
Sulfur	ppm	ASTM D5185m	1500	1711	1424	---
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.85	0.731	---
Visc @ 40°C	cSt	ASTM D445	65	62.8	64.37	---



Certificate L2367

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

Sample No. : JR0203880

Lab Number : 06104263

Unique Number : 10902493

Test Package : CONST (Additional Tests: PQ)

Received : 29 Feb 2024

Tested : 01 Mar 2024

Diagnosed : 01 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)

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