



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[SANDHILLS TIMBER]
 Machine Id
JOHN DEERE 85G 1FF085GXCKJ021436
 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		JR0200801	JR0076867	---
Sample Date		Client Info		27 Feb 2024	17 Mar 2021	---
Machine Age	hrs	Client Info		1498	448	---
Oil Age	hrs	Client Info		1	448	---
Filter Age	hrs	Client Info		1	448	---
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	10	17	---
Iron	ppm	ASTM D5185m	>32	0	6	---
Chromium	ppm	ASTM D5185m	>9	0	<1	---
Nickel	ppm	ASTM D5185m	>5	0	0	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>9	0	0	---
Lead	ppm	ASTM D5185m	>28	0	<1	---
Copper	ppm	ASTM D5185m	>50	1	4	---
Tin	ppm	ASTM D5185m	>5	0	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

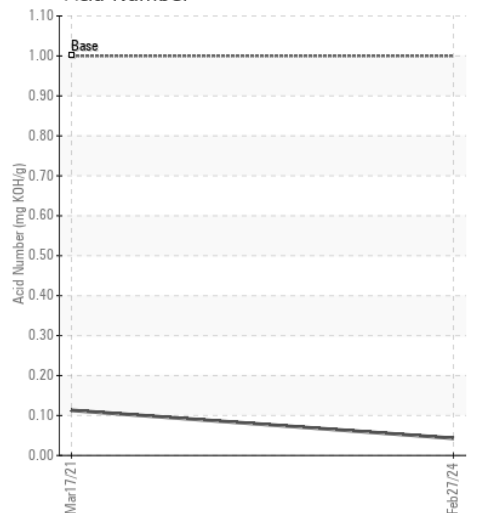
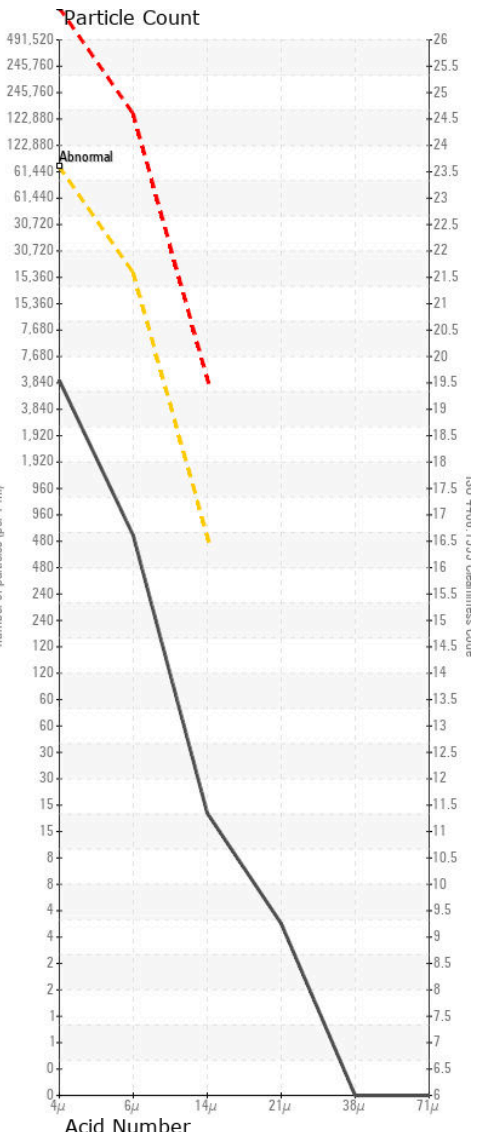
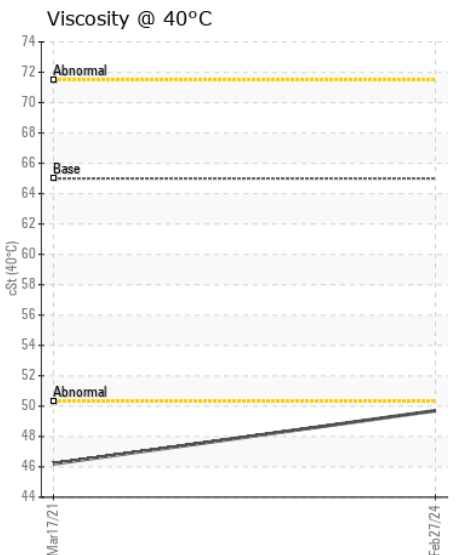
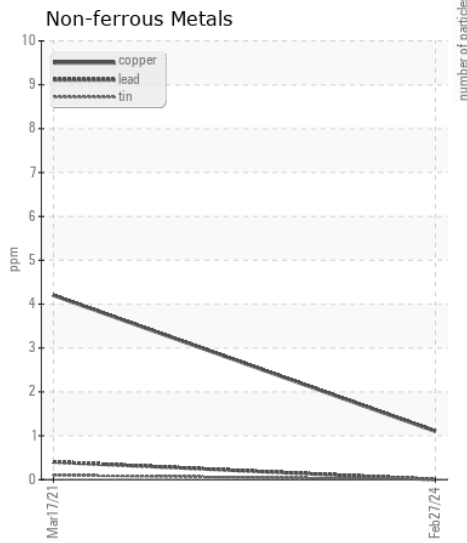
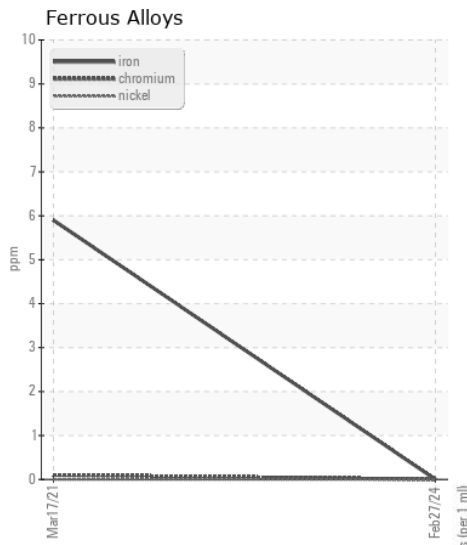
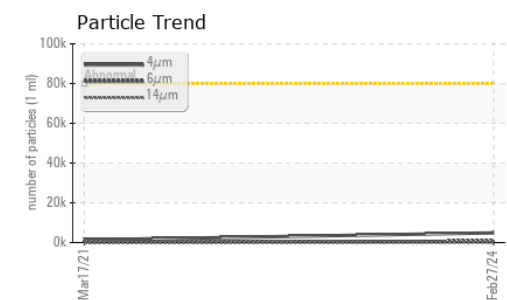
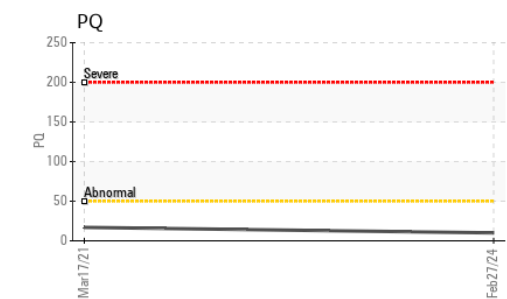
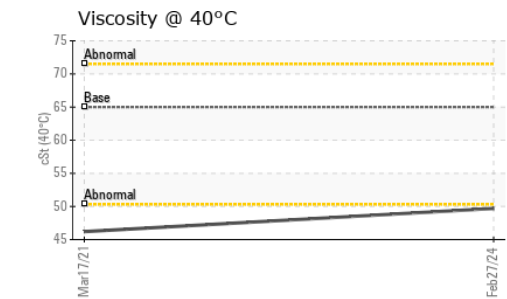
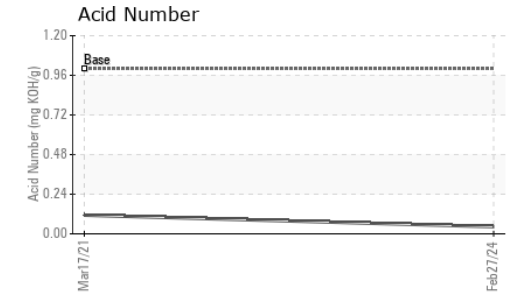
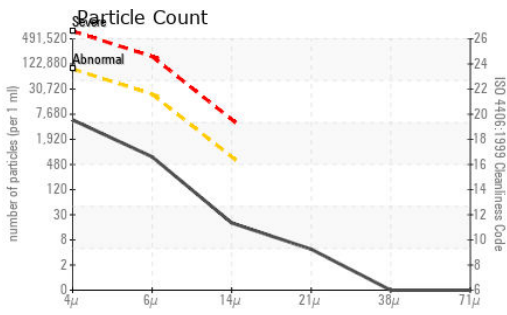
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>11	<1	<1	---
Potassium	ppm	ASTM D5185m	>20	<1	<1	---
Water		WC Method	>0.075	NEG	NEG	---
Particles >4µm		ASTM D7647	>80000	4890	1308	---
Particles >6µm		ASTM D7647	>20000	642	170	---
Particles >14µm		ASTM D7647	>640	17	12	---
Particles >21µm		ASTM D7647	>160	4	4	---
Particles >38µm		ASTM D7647	>40	0	0	---
Particles >71µm		ASTM D7647	>10	0	0	---
Oil Cleanliness		ISO 4406 (c)	>23/21/16	19/17/11	18/15/11	---
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	1	0	---
Boron	ppm	ASTM D5185m		5	<1	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		4	0	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m		18	6	---
Calcium	ppm	ASTM D5185m	87	54	15	---
Phosphorus	ppm	ASTM D5185m	727	636	412	---
Zinc	ppm	ASTM D5185m	900	34	40	---
Sulfur	ppm	ASTM D5185m	1500	133	792	---
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.043	0.113	---
Visc @ 40°C	cSt	ASTM D445	65	49.7	46.2	---



Certificate L2367

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

Sample No. : JR0200801

Lab Number : 06102867

Unique Number : 10901097

Test Package : CONST (Additional Tests: PQ)

Received : 28 Feb 2024

Tested : 29 Feb 2024

Diagnosed : 29 Feb 2024 - Don Baldrige

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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