



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
JOHN DEERE 672GP 1DW672GPVMF712463

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		JR0199731	JR0164487	JR0146987
Sample Date		Client Info		09 Feb 2024	31 May 2023	10 Jan 2023
Machine Age	hrs	Client Info		2483	1945	1465
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Chngd	Not Chngd	Not Chngd
Filter Changed		Client Info		Not Chngd	Changed	Not Chngd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>50	14	13	7
Iron	ppm	ASTM D5185m	>71	9	7	6
Chromium	ppm	ASTM D5185m	>11	3	2	2
Nickel	ppm	ASTM D5185m	>6	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>11	2	4	3
Lead	ppm	ASTM D5185m	>13	<1	0	<1
Copper	ppm	ASTM D5185m	>21	10	7	8
Tin	ppm	ASTM D5185m	>5	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

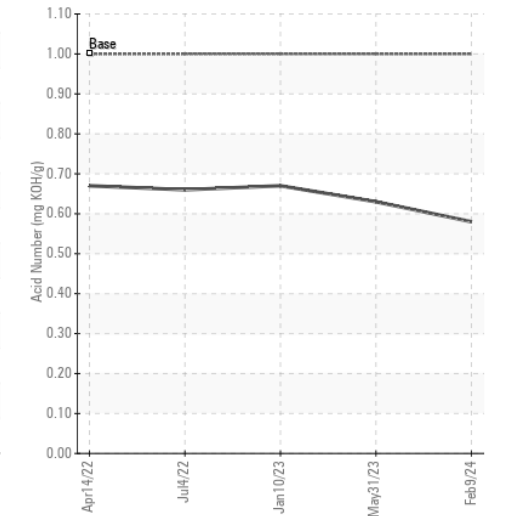
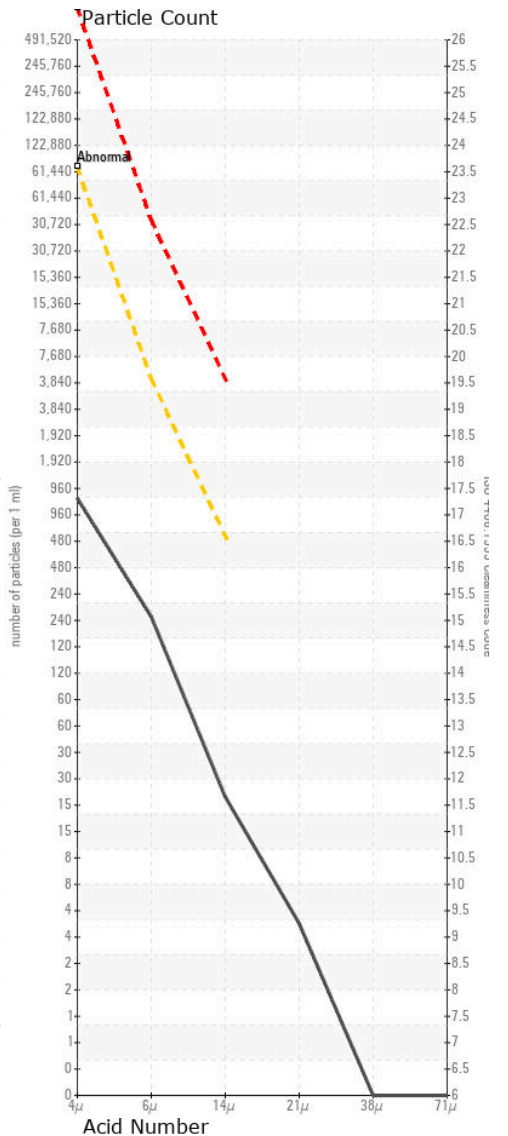
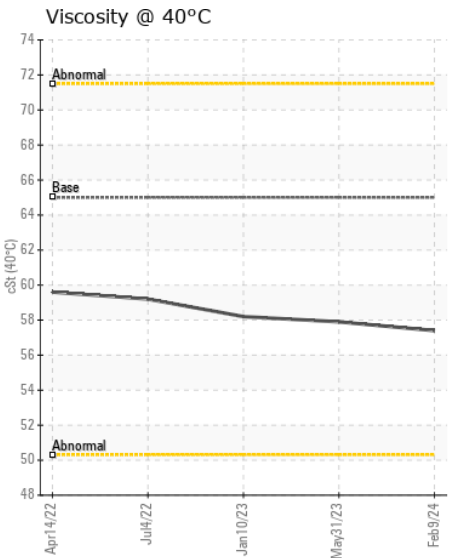
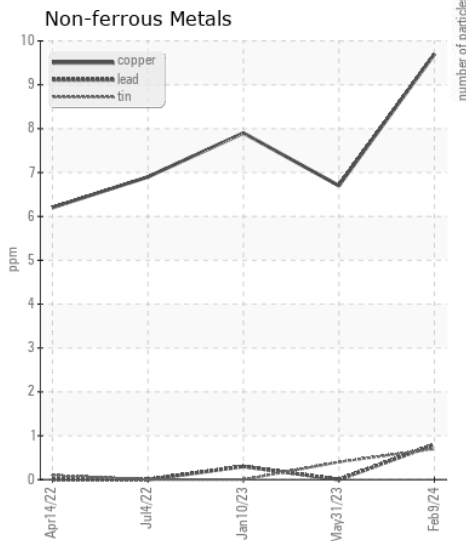
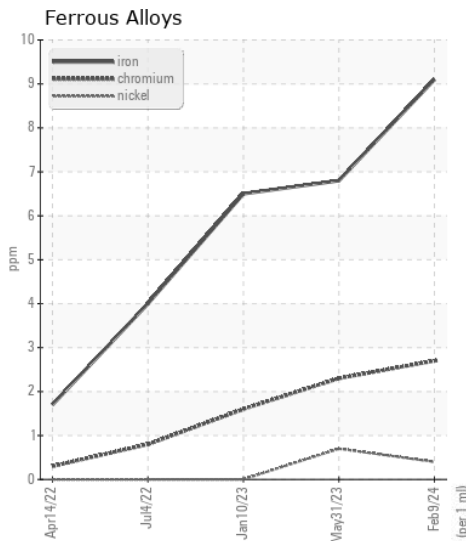
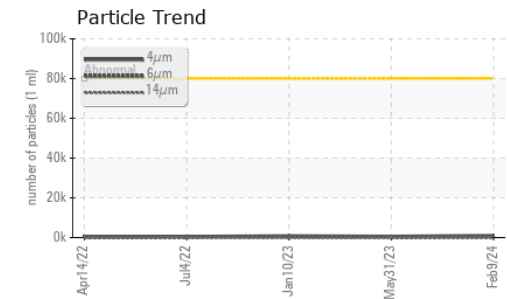
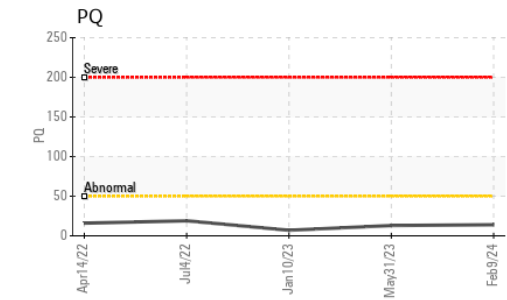
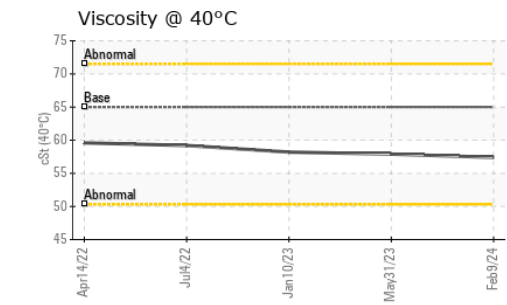
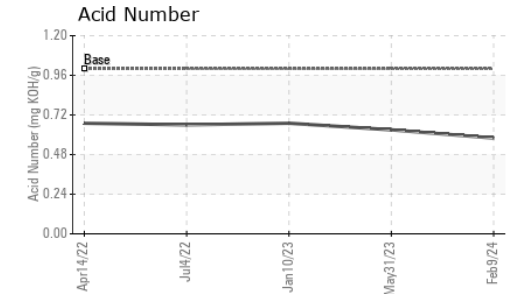
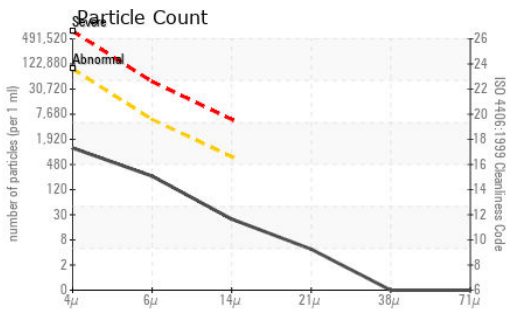
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185m	>24	9	6	6
Potassium	ppm	ASTM D5185m	>20	6	6	4
Water		WC Method	>0.075	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>80000	1047	580	836
Particles >6µm		ASTM D7647	>5000	222	74	155
Particles >14µm		ASTM D7647	>640	21	6	11
Particles >21µm		ASTM D7647	>160	4	3	3
Particles >38µm		ASTM D7647	>40	0	0	0
Particles >71µm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>23/19/16	17/15/12	16/13/10	17/14/11
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	NEG	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	2	1
Boron	ppm	ASTM D5185m		10	0	<1
Barium	ppm	ASTM D5185m		14	0	0
Molybdenum	ppm	ASTM D5185m		1	<1	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		5	4	2
Calcium	ppm	ASTM D5185m	87	415	158	155
Phosphorus	ppm	ASTM D5185m	727	685	663	598
Zinc	ppm	ASTM D5185m	900	925	944	846
Sulfur	ppm	ASTM D5185m	1500	2413	1730	2051
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.58	0.63	0.67
Visc @ 40°C	cSt	ASTM D445	65	57.4	57.9	58.2



Certificate L2367

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

Sample No. : JR0199731

Lab Number : 06085989

Unique Number : 10873434

Test Package : CONST (Additional Tests: PQ)

Received : 12 Feb 2024

Tested : 13 Feb 2024

Diagnosed : 13 Feb 2024 - Wes Davis

J.E. LIESFELD CONTRACTOR

1851 BENNINGTON RD

ROCKVILLE, VA

US 23146

Contact: JOSH KONDAKOR

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T:

F:

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)