



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
JOHN DEERE 750K 1T0750KXCHF316440
 Component
Hydraulic System
 Fluid
{not provided} (--- GAL)

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		JR0198877	JR0190935	JR0181689
Sample Date		Client Info		08 Jan 2024	05 Dec 2023	22 Aug 2023
Machine Age	hrs	Client Info		5141	5141	4630
Oil Age	hrs	Client Info		1000	3417	3997
Filter Age	hrs	Client Info		1000	0	0
Oil Changed		Client Info		Not Chngd	Not Chngd	Not Chngd
Filter Changed		Client Info		Not Chngd	Not Chngd	Not Chngd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>50	18	16	11
Iron	ppm	ASTM D5185m	>23	6	6	<1
Chromium	ppm	ASTM D5185m	>9	3	2	0
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>9	4	4	<1
Lead	ppm	ASTM D5185m	>28	1	<1	0
Copper	ppm	ASTM D5185m	>51	7	7	<1
Tin	ppm	ASTM D5185m	>5	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

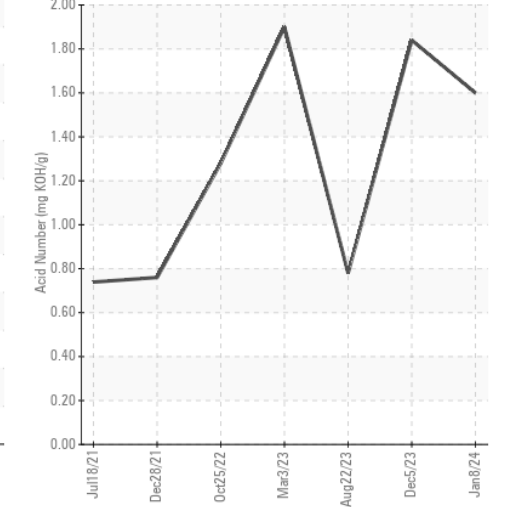
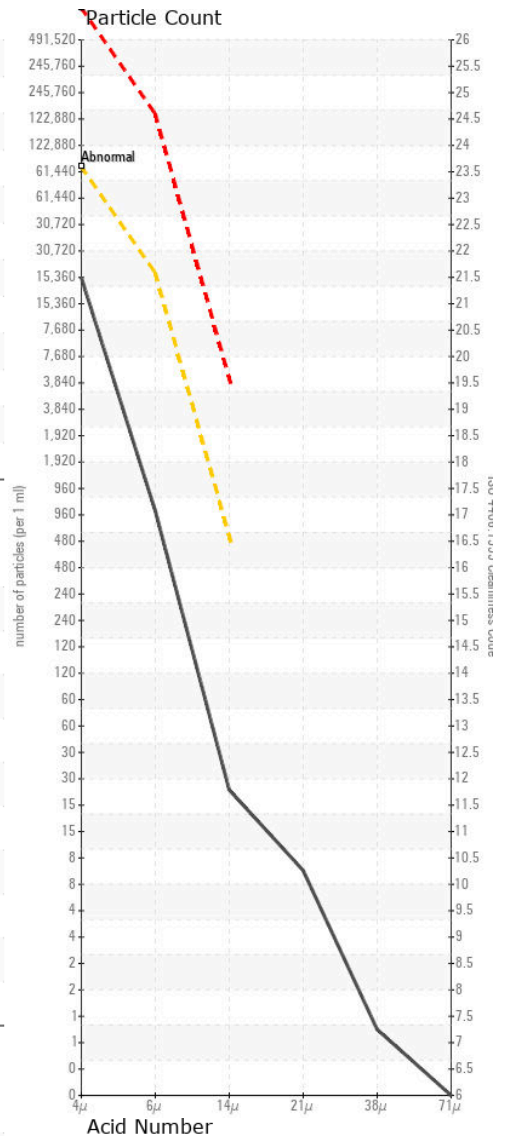
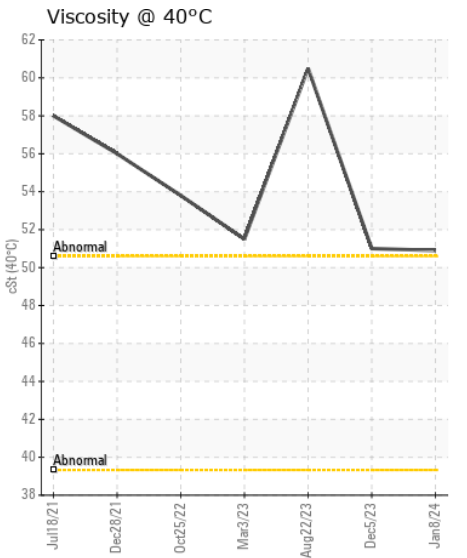
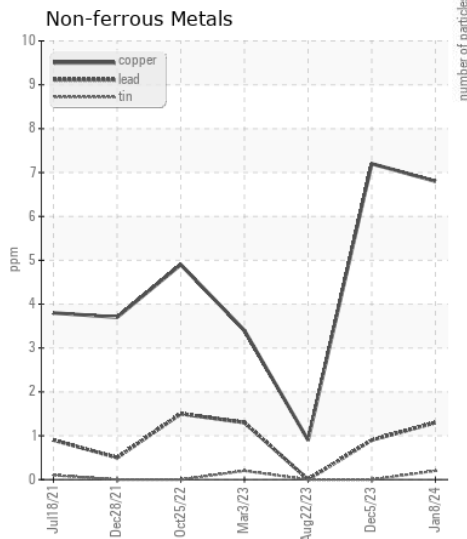
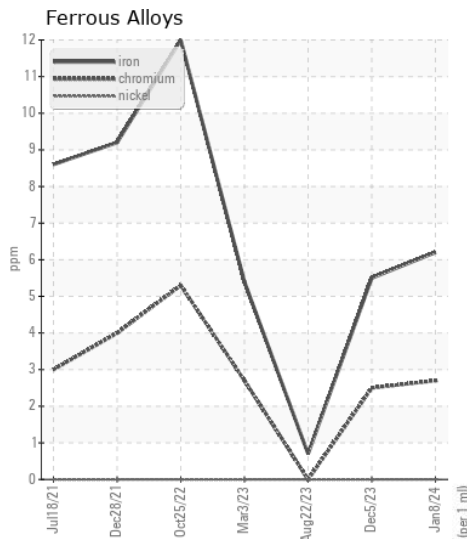
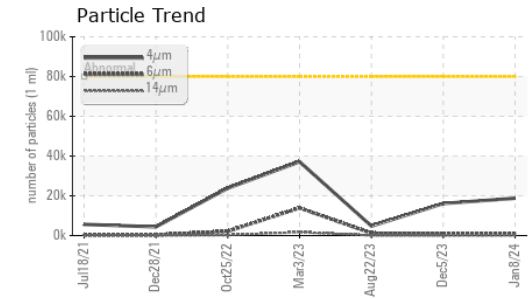
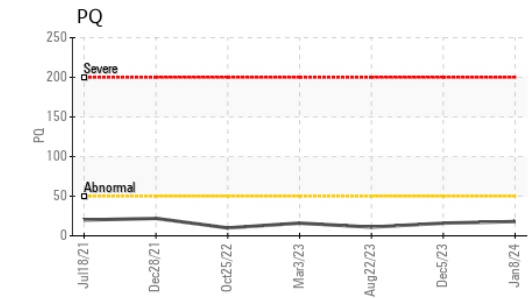
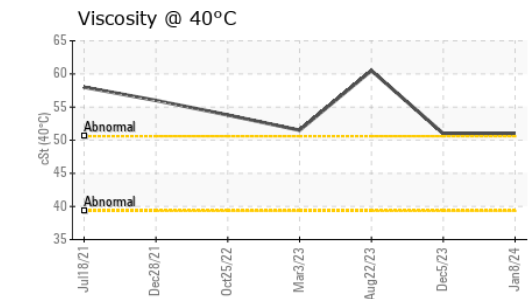
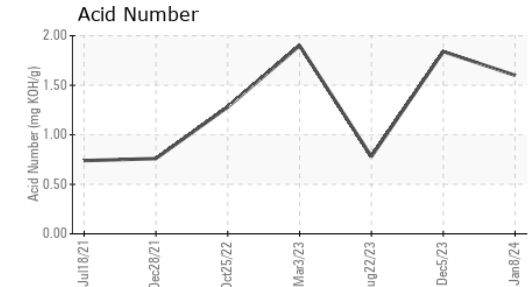
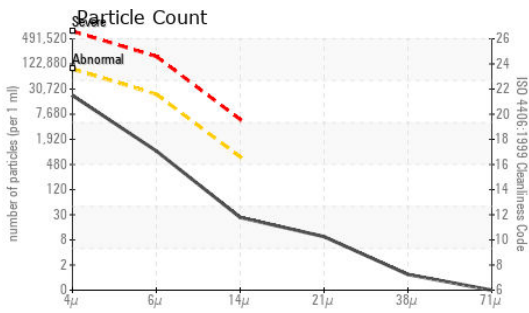
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185m	>31	6	6	<1
Potassium	ppm	ASTM D5185m	>20	1	0	<1
Water		WC Method	>0.075	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>80000	18781	16121	4755
Particles >6µm		ASTM D7647	>20000	887	788	1206
Particles >14µm		ASTM D7647	>640	23	36	71
Particles >21µm		ASTM D7647	>160	8	13	18
Particles >38µm		ASTM D7647	>40	1	2	1
Particles >71µm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>23/21/16	21/17/12	21/17/12	19/17/13
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	<1	2	0
Boron	ppm	ASTM D5185m		6	6	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		2	2	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		38	34	1
Calcium	ppm	ASTM D5185m		1921	1842	110
Phosphorus	ppm	ASTM D5185m		972	915	618
Zinc	ppm	ASTM D5185m		1104	1013	844
Sulfur	ppm	ASTM D5185m		3170	3042	2087
Acid Number (AN)	mg KOH/g	ASTM D8045		1.60	1.84	0.78
Visc @ 40°C	cSt	ASTM D445		50.9	51.0	60.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0198877 **Received** : 10 Jan 2024
Lab Number : 06056588 **Diagnosed** : 11 Jan 2024
Unique Number : 10822537 **Diagnostician** : Wes Davis
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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