



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[48056]
Machine Id
JOHN DEERE 755K 1T0755KXENF424749
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		JR0225565	JR0190057	JR0153125
Sample Date		Client Info		17 Jul 2024	19 Oct 2023	31 Jan 2023
Machine Age	hrs	Client Info		1438	966	435
Oil Age	hrs	Client Info		1438	966	0
Filter Age	hrs	Client Info		0	966	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	16	9	8
Iron	ppm	ASTM D5185m	>71	<1	0	<1
Chromium	ppm	ASTM D5185m	>11	0	0	0
Nickel	ppm	ASTM D5185m	>6	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>11	0	<1	0
Lead	ppm	ASTM D5185m	>13	0	<1	<1
Copper	ppm	ASTM D5185m	>21	4	4	3
Tin	ppm	ASTM D5185m	>5	0	<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

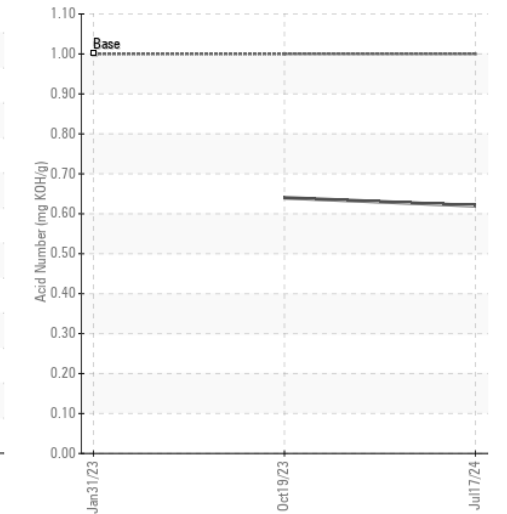
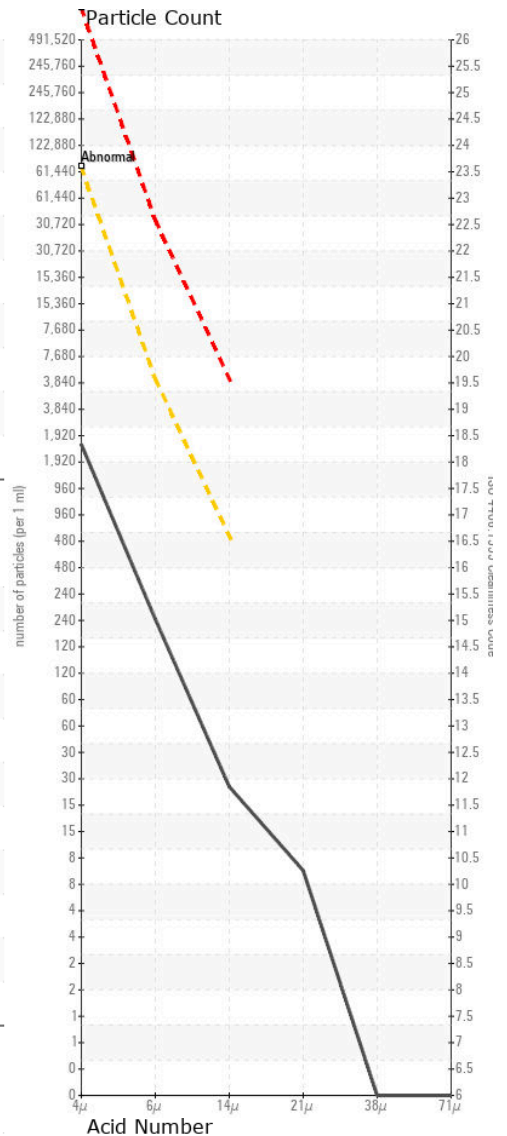
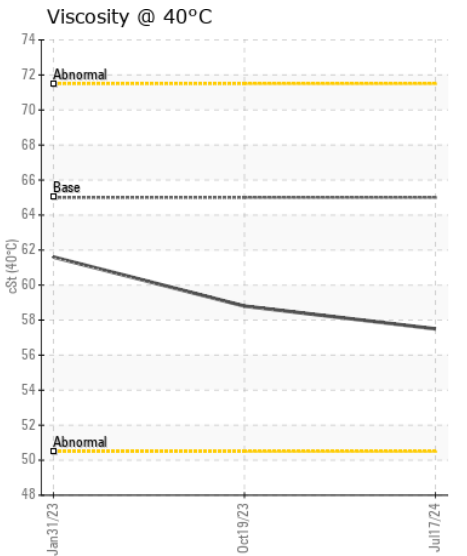
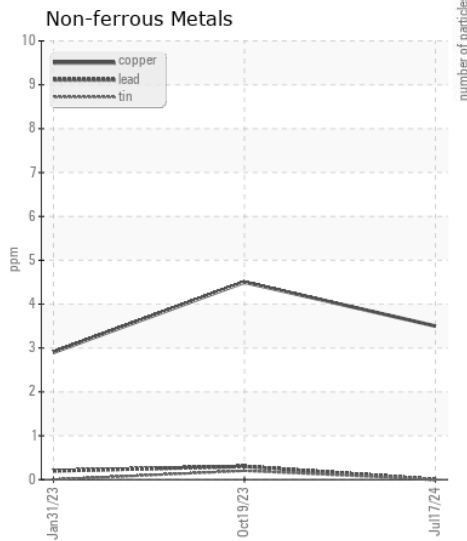
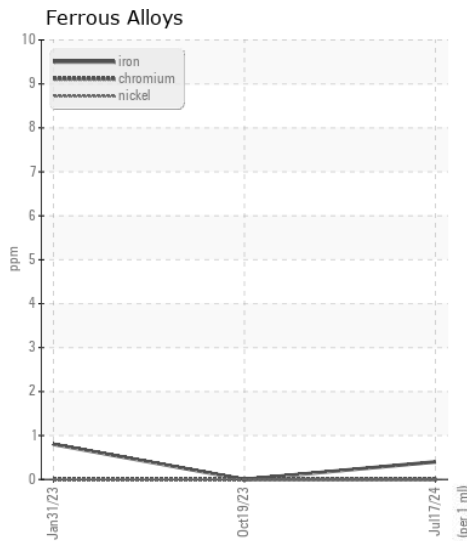
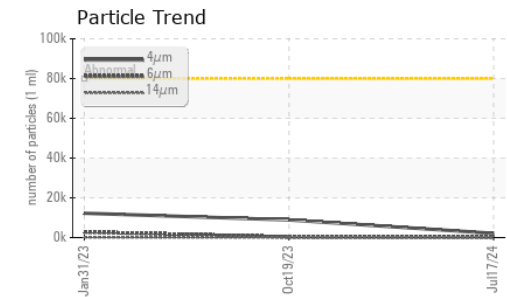
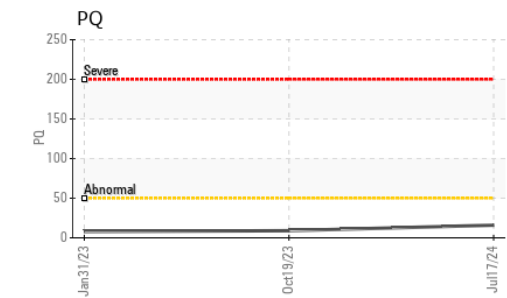
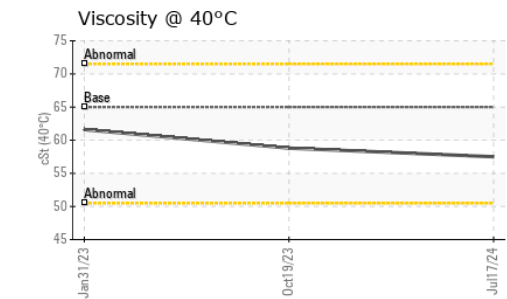
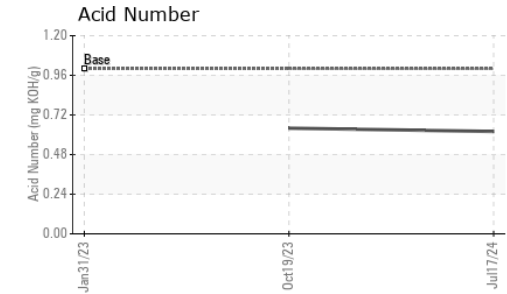
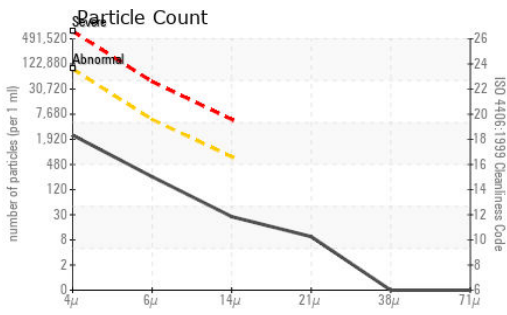
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185m	>24	1	1	<1
Potassium	ppm	ASTM D5185m	>20	1	2	3
Water		WC Method	>0.075	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>80000	2118	8873	12266
Particles >6µm		ASTM D7647	>5000	215	308	2764
Particles >14µm		ASTM D7647	>640	24	12	56
Particles >21µm		ASTM D7647	>160	8	5	9
Particles >38µm		ASTM D7647	>40	0	0	1
Particles >71µm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>23/19/16	18/15/12	20/15/11	21/19/13
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		0	0	0
Barium	ppm	ASTM D5185m		0	0	1
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m		2	0	2
Calcium	ppm	ASTM D5185m	87	106	89	118
Phosphorus	ppm	ASTM D5185m	727	679	701	648
Zinc	ppm	ASTM D5185m	900	890	912	853
Sulfur	ppm	ASTM D5185m	1500	1964	1762	1520
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.62	0.64	---
Visc @ 40°C	cSt	ASTM D445	65	57.5	58.8	61.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : JR0225565
 Lab Number : 06241584
 Unique Number : 11130418
 Test Package : CONST (Additional Tests: PQ)

Received : 19 Jul 2024
 Tested : 22 Jul 2024
 Diagnosed : 22 Jul 2024 - Wes Davis

TOTAL DEVELOPMENT SOLUTIONS LLC
 7805 PROGRESS CT
 GAINESVILLE, VA
 US 20155
 Contact: JOE SEALE

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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