



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[A35757]

Machine Id

JOHN DEERE 950K 1T0950KXJRF458831

Component

Hydraulic System

Fluid

JOHN DEERE HYDRAU (40 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: A35757)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WE0007610	WE0006568	---
Sample Date		Client Info		26 Jun 2024	07 Feb 2024	---
Machine Age	hrs	Client Info		519	55	---
Oil Age	hrs	Client Info		519	6	---
Filter Age	hrs	Client Info		519	6	---
Oil Changed		Client Info		Not Changd	Changed	---
Filter Changed		Client Info		None	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185m	>20	2	0	---
Chromium	ppm	ASTM D5185m	>10	2	0	---
Nickel	ppm	ASTM D5185m	>10	<1	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		<1	0	---
Aluminum	ppm	ASTM D5185m	>10	2	0	---
Lead	ppm	ASTM D5185m	>10	<1	0	---
Copper	ppm	ASTM D5185m	>75	2	<1	---
Tin	ppm	ASTM D5185m	>10	<1	<1	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

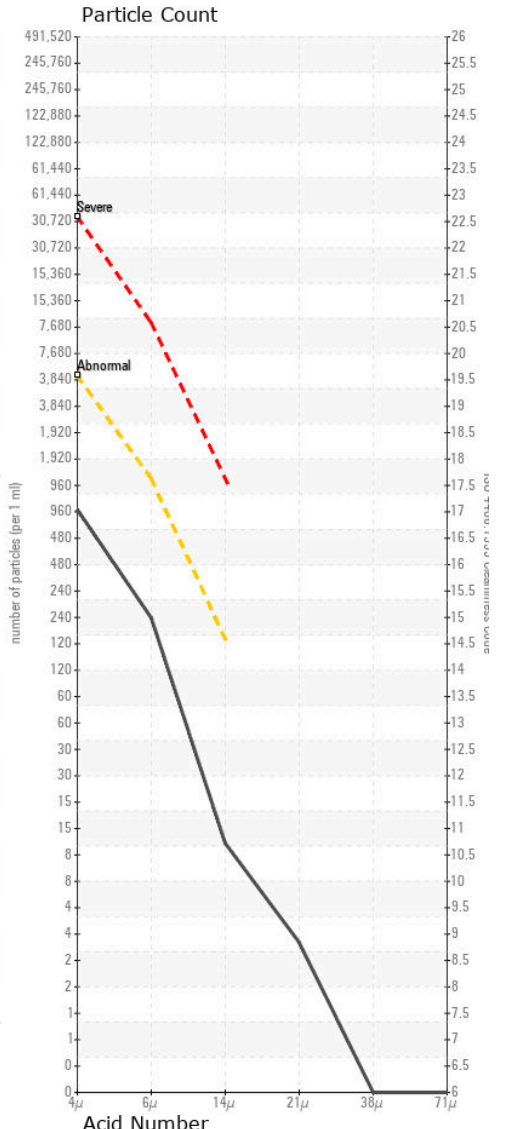
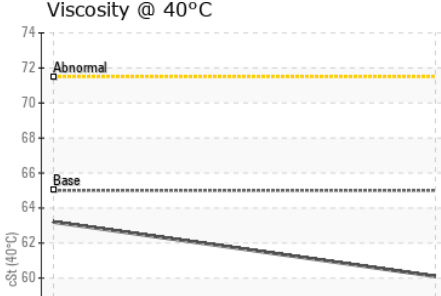
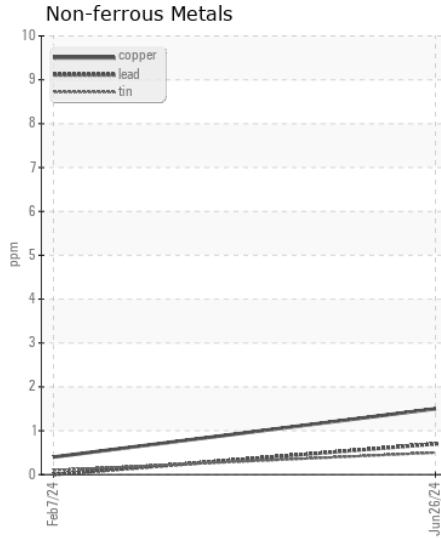
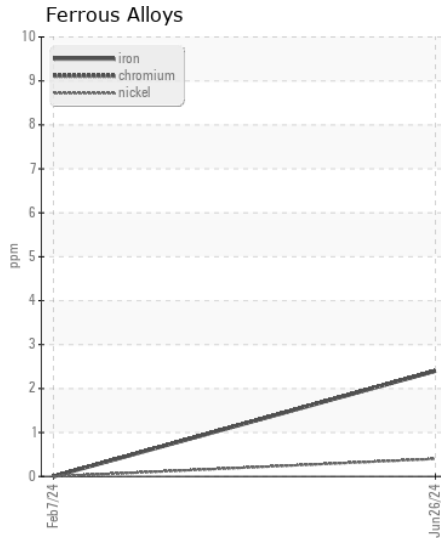
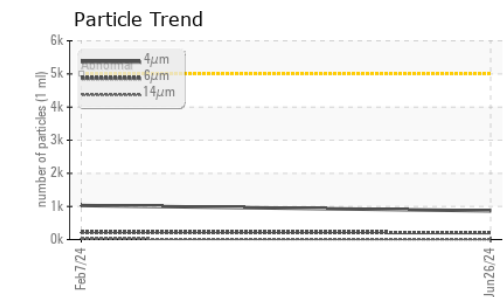
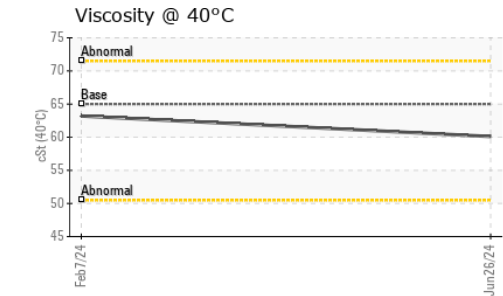
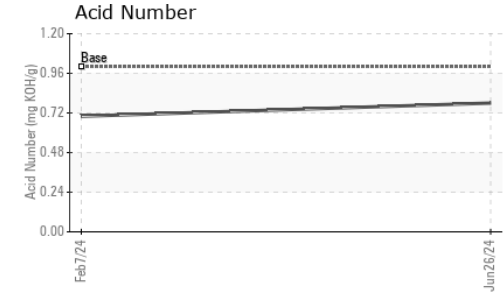
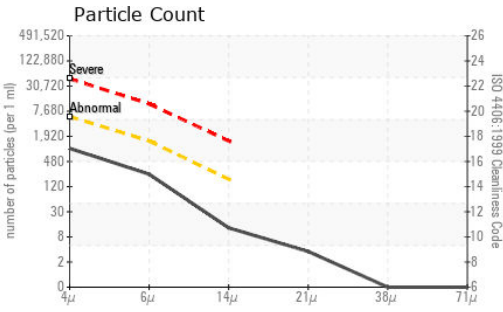
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185m	>20	4	<1	---
Potassium	ppm	ASTM D5185m	>20	1	0	---
Water		WC Method	>0.1	NEG	NEG	---
Particles >4µm		ASTM D7647	>5000	867	1029	---
Particles >6µm		ASTM D7647	>1300	210	217	---
Particles >14µm		ASTM D7647	>160	11	19	---
Particles >21µm		ASTM D7647	>40	3	5	---
Particles >38µm		ASTM D7647	>10	0	0	---
Particles >71µm		ASTM D7647	>3	0	0	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	17/15/11	17/15/11	---
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	>0.1	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		0	<1	---
Boron	ppm	ASTM D5185m		0	0	---
Barium	ppm	ASTM D5185m		2	0	---
Molybdenum	ppm	ASTM D5185m		1	0	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m		3	0	---
Calcium	ppm	ASTM D5185m	87	90	82	---
Phosphorus	ppm	ASTM D5185m	727	572	652	---
Zinc	ppm	ASTM D5185m	900	844	840	---
Sulfur	ppm	ASTM D5185m	1500	1804	1458	---
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.78	0.70	---
Visc @ 40°C	cSt	ASTM D445	65	60.1	63.2	---



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WE0007610 **Received** : 28 Jun 2024
Lab Number : 06223394 **Tested** : 01 Jul 2024
Unique Number : 11101591 **Diagnosed** : 01 Jul 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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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)