



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Area
[A34732]
 Machine Id
JOHN DEERE 950K 1T0950KXJPF446417
 Component
Hydraulic System
 Fluid
JOHN DEERE HYDRAU (40 GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: A34732)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WE0006631	WE0005856	WE0004872
Sample Date		Client Info		27 Feb 2024	08 Dec 2023	01 Sep 2023
Machine Age	hrs	Client Info		1470	1012	502
Oil Age	hrs	Client Info		1470	1012	502
Filter Age	hrs	Client Info		1470	1012	502
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		None	Not Changd	Not Changd
Sample Status				ATTENTION	NORMAL	NORMAL

WEAR

Metal levels are typical for a new component breaking in.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185m	>20	4	<1	0
Chromium	ppm	ASTM D5185m	>10	10	3	<1
Nickel	ppm	ASTM D5185m	>10	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	<1	1	<1
Lead	ppm	ASTM D5185m	>10	0	2	0
Copper	ppm	ASTM D5185m	>75	<1	1	<1
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

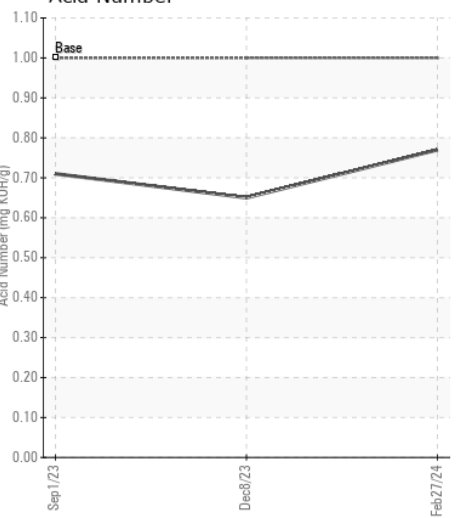
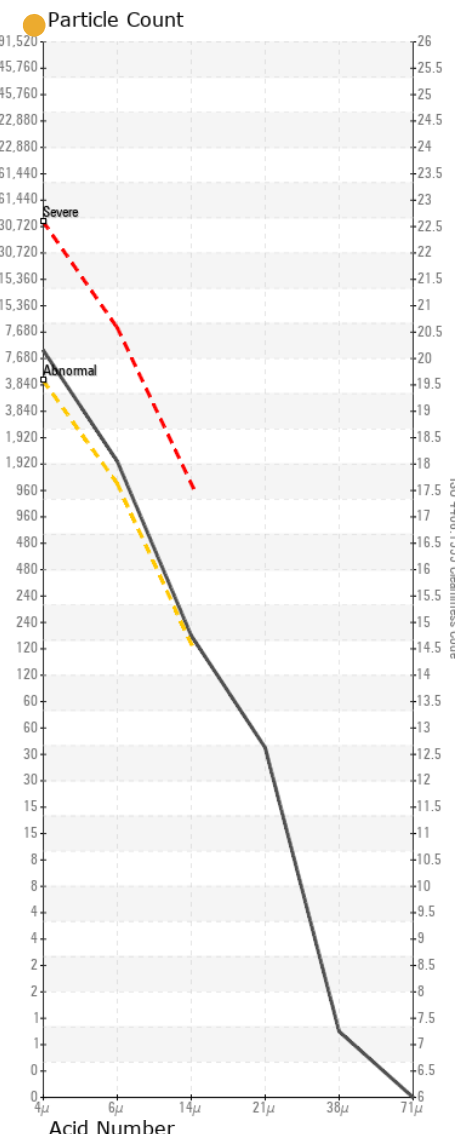
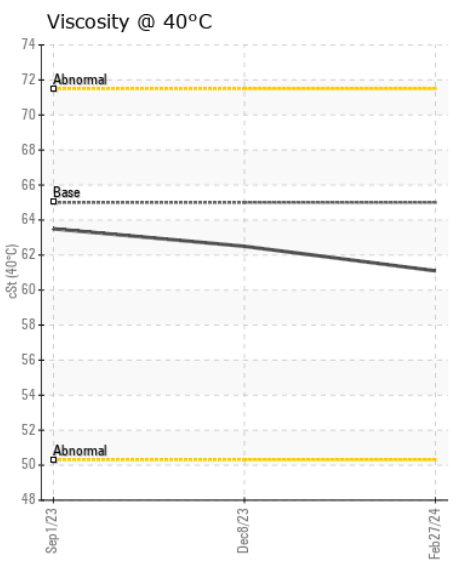
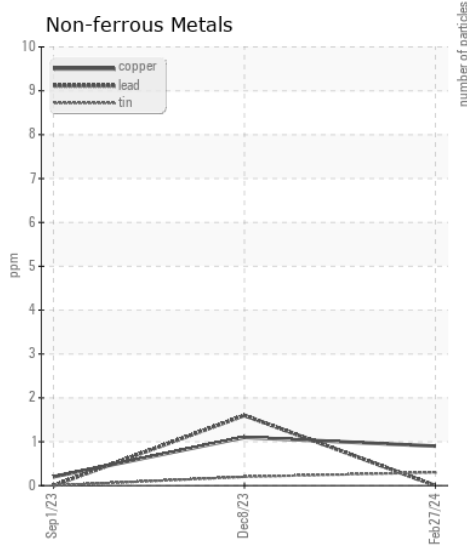
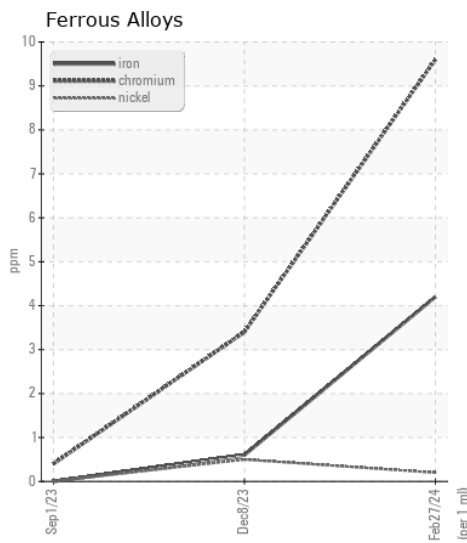
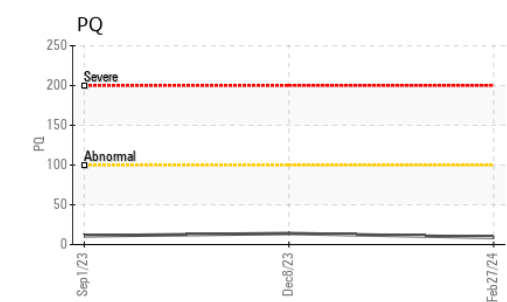
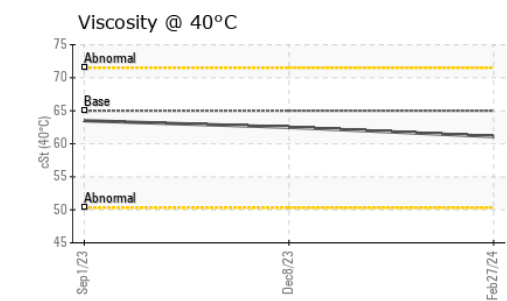
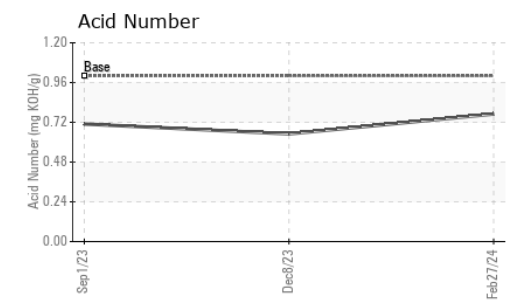
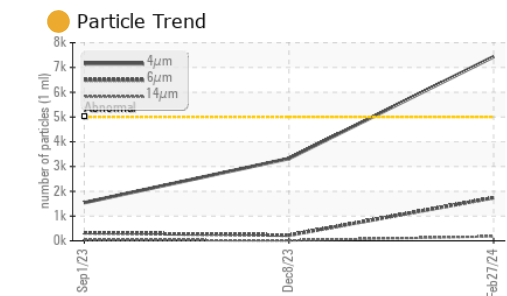
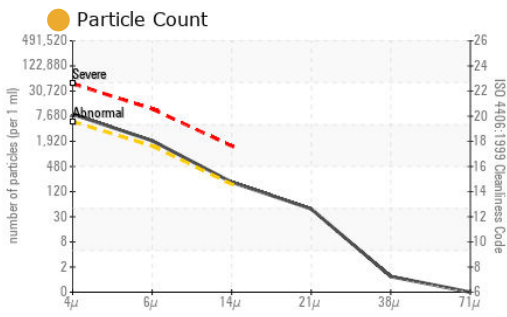
There is a moderate amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>20	5	2	<1
Potassium	ppm	ASTM D5185m	>20	1	7	0
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	7436	3323	1539
Particles >6µm		ASTM D7647	>1300	1741	225	320
Particles >14µm		ASTM D7647	>160	178	15	36
Particles >21µm		ASTM D7647	>40	41	7	7
Particles >38µm		ASTM D7647	>10	1	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	20/18/15	19/15/11	18/15/12
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	>0.1	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		<1	<1	<1
Boron	ppm	ASTM D5185m		<1	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		1	2	<1
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m		1	<1	0
Calcium	ppm	ASTM D5185m	87	82	111	99
Phosphorus	ppm	ASTM D5185m	727	640	756	642
Zinc	ppm	ASTM D5185m	900	838	1016	858
Sulfur	ppm	ASTM D5185m	1500	1733	2030	1917
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.77	0.65	0.71
Visc @ 40°C	cSt	ASTM D445	65	61.1	62.5	63.5



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WE0006631 **Received** : 29 Feb 2024
Lab Number : 06104236 **Tested** : 01 Mar 2024
Unique Number : 10902466 **Diagnosed** : 02 Mar 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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 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)