



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	ATTENTION

Area
[A35382]

Machine Id
JOHN DEERE 950K 1T0950KXJPF446417

Component
Hydraulic System

Fluid
JOHN DEERE HYDRAU (40 GAL)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: A35382)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WE0007736	WE0006631	WE0005856
Sample Date		Client Info		29 May 2024	27 Feb 2024	08 Dec 2023
Machine Age	hrs	Client Info		1875	1470	1012
Oil Age	hrs	Client Info		1875	1470	1012
Filter Age	hrs	Client Info		1875	1470	1012
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Changed	None	Not Changd
Sample Status				ABNORMAL	ATTENTION	NORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185m	>20	9	4	<1
Chromium	ppm	ASTM D5185m	>10	0	10	3
Nickel	ppm	ASTM D5185m	>10	0	<1	<1
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	<1	<1	1
Lead	ppm	ASTM D5185m	>10	<1	0	2
Copper	ppm	ASTM D5185m	>75	0	<1	1
Tin	ppm	ASTM D5185m	>10	0	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

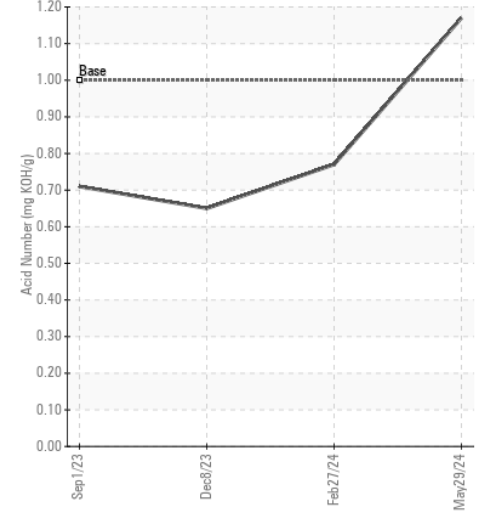
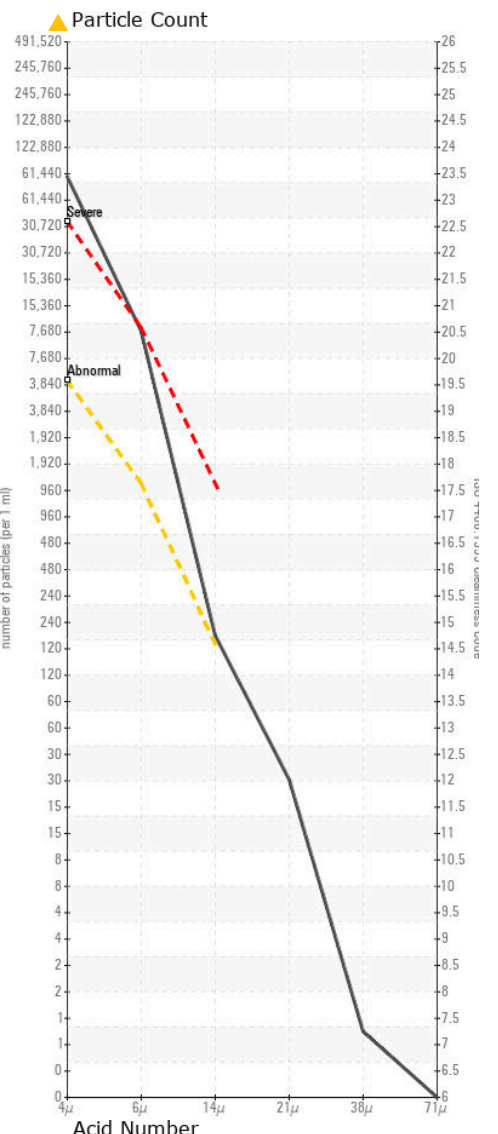
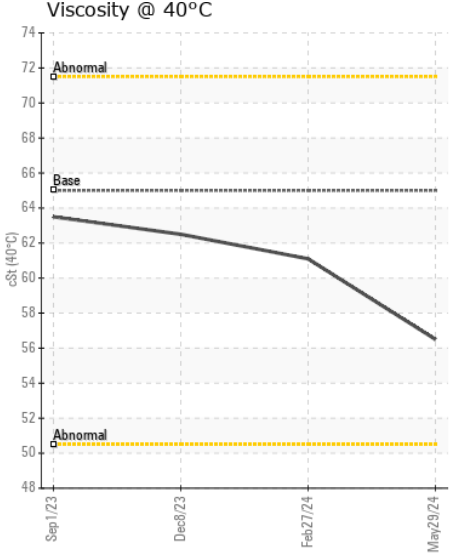
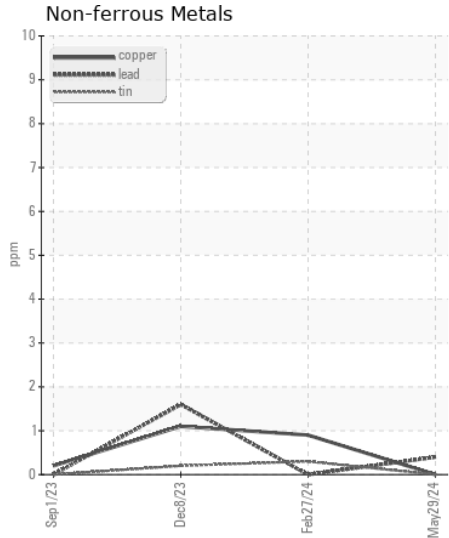
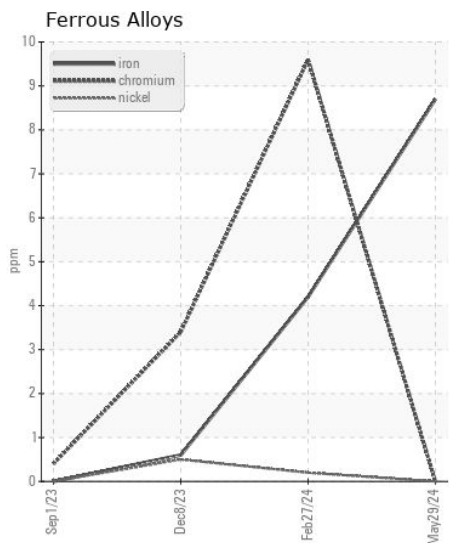
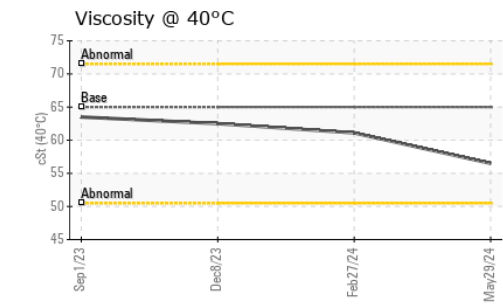
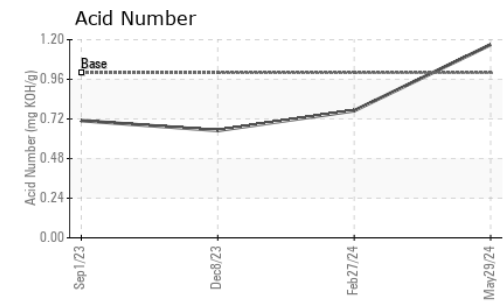
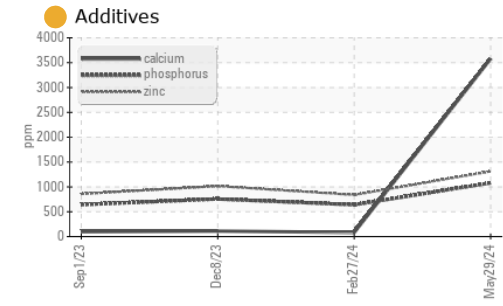
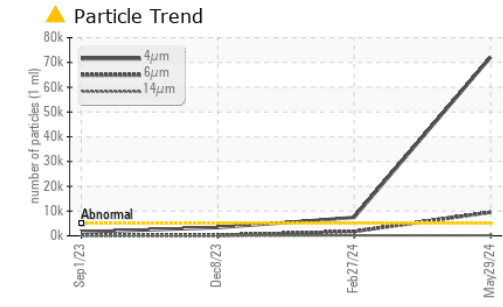
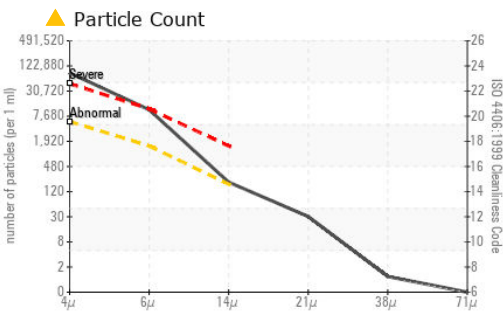
There is a high amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>20	10	5	2
Potassium	ppm	ASTM D5185m	>20	0	1	7
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	▲ 72115	● 7436	● 3323
Particles >6µm		ASTM D7647	>1300	▲ 9531	● 1741	● 225
Particles >14µm		ASTM D7647	>160	▲ 178	● 178	● 15
Particles >21µm		ASTM D7647	>40	27	● 41	● 7
Particles >38µm		ASTM D7647	>10	1	1	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 23/20/15	● 20/18/15	● 19/15/11
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	>0.1	NEG	NEG	NEG

FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil. The AN level is acceptable for this fluid.

Sodium	ppm	ASTM D5185m		<1	<1	<1
Boron	ppm	ASTM D5185m		0	<1	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	1	2
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m		● 109	1	<1
Calcium	ppm	ASTM D5185m	87	● 3578	82	111
Phosphorus	ppm	ASTM D5185m	727	● 1080	640	756
Zinc	ppm	ASTM D5185m	900	● 1312	838	1016
Sulfur	ppm	ASTM D5185m	1500	● 4142	1733	2030
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	1.17	0.77	0.65
Visc @ 40°C	cSt	ASTM D445	65	56.5	61.1	62.5



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WE0007736 **Received** : 31 May 2024
Lab Number : 06196553 **Tested** : 03 Jun 2024
Unique Number : 11058676 **Diagnosed** : 03 Jun 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

WARRIOR TRACTOR AND EQUIPMENT - HUNTSVILLE
 25135 ONE AVIATION WAY SW
 MADISON, AL
 US 35756
 Contact: HERBERT STONE
 WTE013@WARRIORTRACTOR.COM

Certificate L2367
 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)