



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[A35382]
 Machine Id
JOHN DEERE 950K 1T0950KXJPF446417
 Component
Hydrostatic
 Fluid
JOHN DEERE HYDRAU (14 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: A35382)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WE0007737	WE0006625	WE0004879
Sample Date		Client Info		29 May 2024	27 Feb 2024	01 Sep 2023
Machine Age	hrs	Client Info		1875	1470	502
Oil Age	hrs	Client Info		1875	1470	502
Filter Age	hrs	Client Info		1875	1470	502
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Changed	None	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185m	>31	18	21	7
Chromium	ppm	ASTM D5185m	>9	<1	<1	0
Nickel	ppm	ASTM D5185m	>5	0	<1	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	<1	<1
Lead	ppm	ASTM D5185m	>11	<1	1	<1
Copper	ppm	ASTM D5185m	>41	5	8	3
Tin	ppm	ASTM D5185m	>5	<1	<1	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

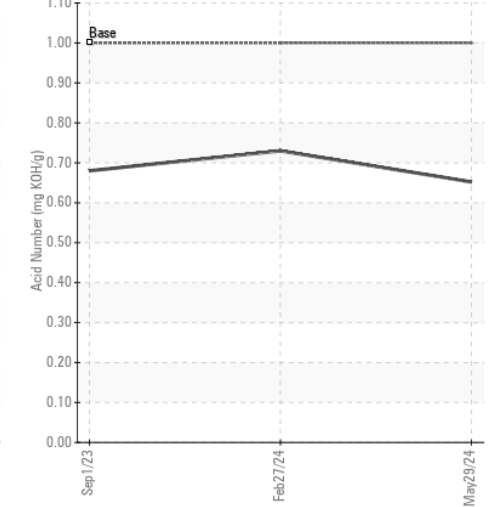
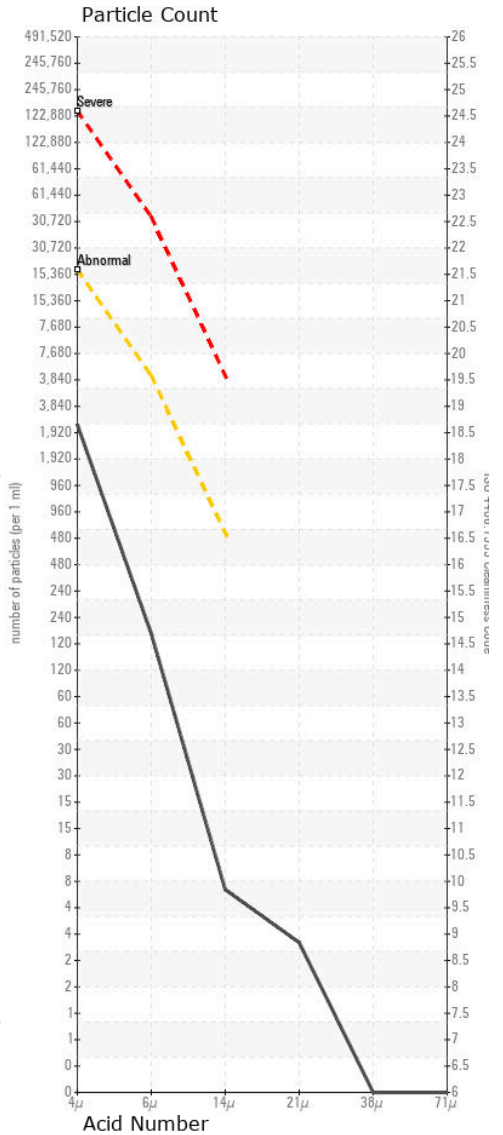
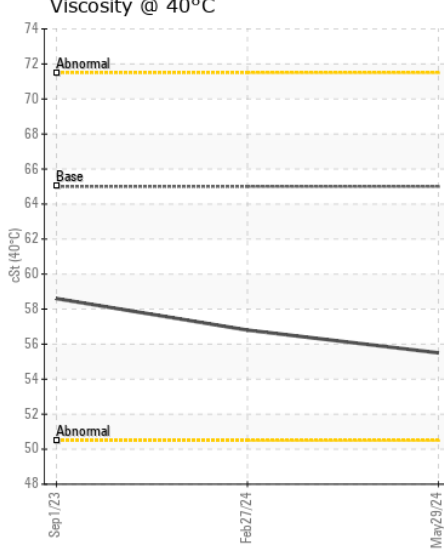
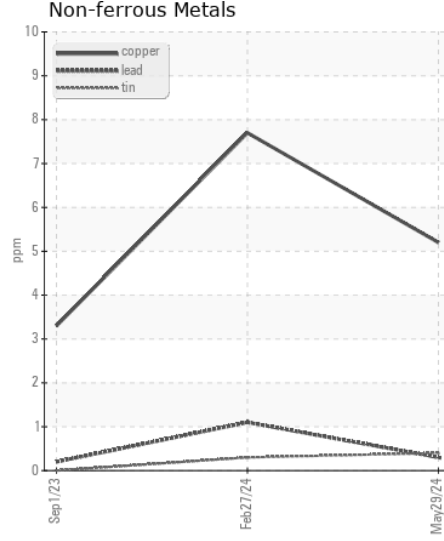
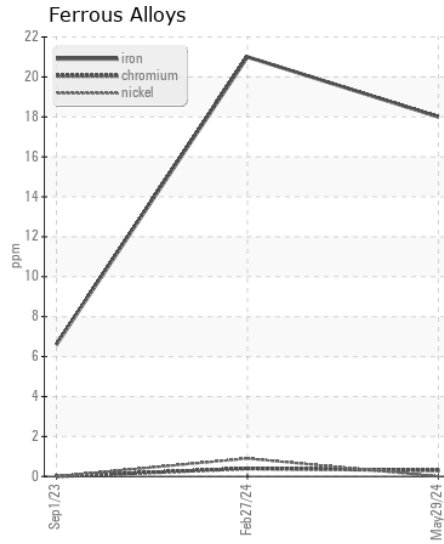
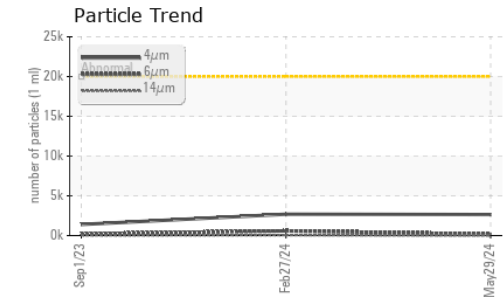
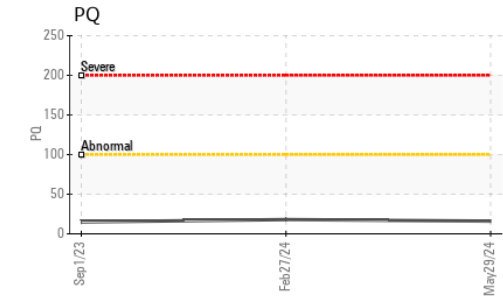
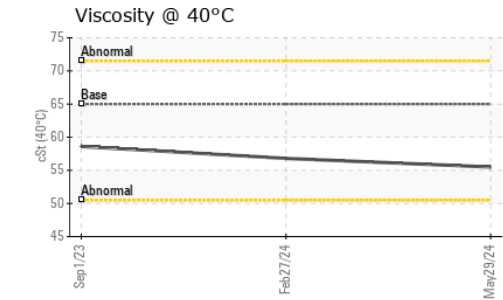
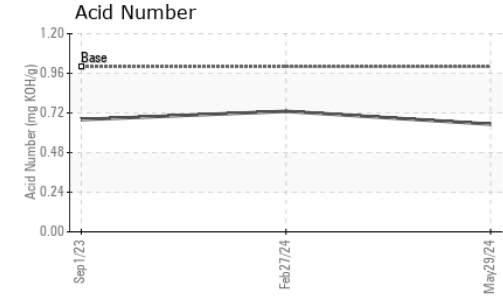
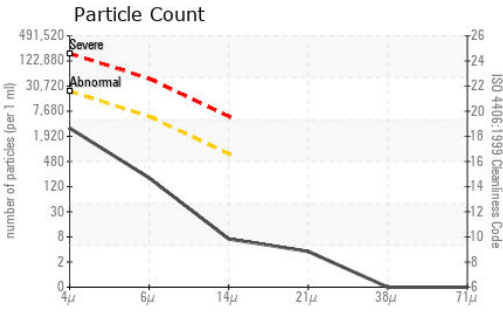
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>31	<1	2	<1
Potassium	ppm	ASTM D5185m	>20	1	3	1
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>20000	2642	2687	1400
Particles >6µm		ASTM D7647	>5000	171	594	213
Particles >14µm		ASTM D7647	>640	6	51	21
Particles >21µm		ASTM D7647	>160	3	14	4
Particles >38µm		ASTM D7647	>40	0	0	0
Particles >71µm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	19/15/10	19/16/13	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	>21	1	<1	<1
Boron	ppm	ASTM D5185m		0	<1	0
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		3	<1	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m		<1	2	0
Calcium	ppm	ASTM D5185m	87	87	120	92
Phosphorus	ppm	ASTM D5185m	727	721	957	639
Zinc	ppm	ASTM D5185m	900	871	1330	863
Sulfur	ppm	ASTM D5185m	1500	1992	2667	1905
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.652	0.73	0.68
Visc @ 40°C	cSt	ASTM D445	65	55.5	56.8	58.6



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WE0007737 **Received** : 31 May 2024
Lab Number : 06196988 **Tested** : 05 Jun 2024
Unique Number : 11059111 **Diagnosed** : 05 Jun 2024 - Jonathan Hester
Test Package : CONST (Additional Tests: PQ, PRTCOUNT)

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

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)