

**WEAR** CONTAMINATION **FLUID CONDITION** 

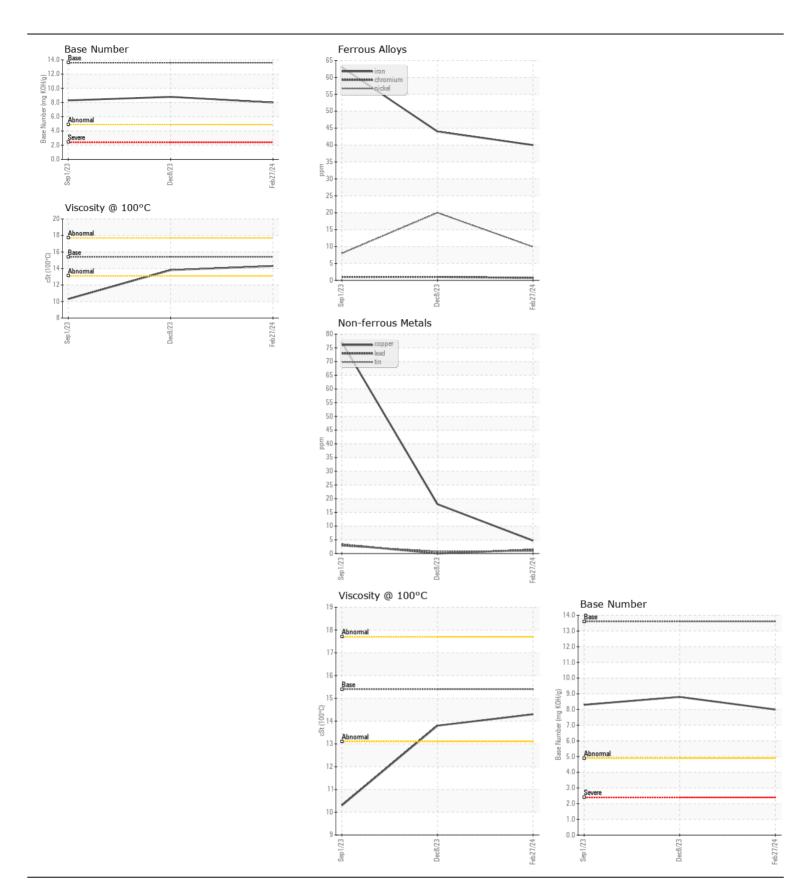
**NORMAL NORMAL NORMAL** 

[A34732]

## JOHN DEERE 950K 1T0950KXJPF446417

Component
Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		WE0006617	WE0005857	WE000484
Resample at the next service interval to monitor. ( Customer Sample Comment: A34732 )	Sample Date		Client Info		27 Feb 2024	08 Dec 2023	01 Sep 202
	Machine Age	hrs	Client Info		1470	502	502
	Oil Age	hrs	Client Info		500	502	502
	Filter Age	hrs	Client Info		500	502	502
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	ABNORMAL	ATTENTIO
VEAR	Iron	ppm	ASTM D5185m	>51	40	44	63
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>11	<1	1	1
	Nickel	ppm	ASTM D5185m	>5	10	<u>^</u> 20	8
	Titanium	ppm	ASTM D5185m		0	<1	<1
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m	>31	5	8	4
	Lead	ppm	ASTM D5185m	>26	1	0	3
	Copper	ppm	ASTM D5185m	>26	5	18	77
	Tin	ppm	ASTM D5185m	>4	<1	<1	3
	Vanadium	ppm	ASTM D5185m		<1	<1	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>22	17	20	28
	Potassium	ppm	ASTM D5185m	>20	4	2	7
There is no indication of any contamination in the oil.	Fuel		WC Method	>2.1	<1.0	<1.0	0.3
	Water		WC Method	>0.21	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.4	0.5	0.5
	Nitration	Abs/cm	*ASTM D7624	>20	8.9	9.3	9.2
	Sulfation	Abs/.1mm	*ASTM D7415	>30	23.5	23.8	23.6
	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	NORN
	Odor	scalar	*Visual	NORML	NORML	NORML	NORN
<u></u>	Emulsified Water	scalar	*Visual	>0.21	NEG	NEG	NEG
LUID CONDITION	Sodium	ppm	ASTM D5185m	>31	2	5	7
The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		161	196	124
oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	5
	Molybdenum	ppm	ASTM D5185m		273	274	274
	Manganese	ppm	ASTM D5185m		1	2	2
	Magnesium	ppm	ASTM D5185m		1032	899	907
	Calcium	ppm	ASTM D5185m		1749	1503	1501
	Phosphorus	ppm	ASTM D5185m		922	964	856
	Zinc	ppm	ASTM D5185m		1347	1188	1041
	Sulfur	ppm Abo/1mm	*ASTM D5185m	. 05	3298	3038	2880
	Oxidation Base Number (BN)	Abs/.1mm			18.0 8.0	18.4 8.8	19.0 8.3
				130		0.0	0.3







Laboratory
Sample No.
Lab Number

ratory : WearCh ple No. : WE0006 Number : 0610420

Lab Number : 06104206 Unique Number : 10902436

Tested : 29 Feb 2024

Tested : 01 Mar 2024

Diagnosed : 02 Mar 2024 - Don Baldridge

WARRIOR TRACTOR AND EQUIPMENT - HUNTSVILLE 25135 ONE AVIATION WAY SW

MADISON, AL US 35756

Certificate L2367 Test Package : CONST (Additional Tests: TBN)

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Contact: HERBERT STONE WTE013@WARRIORTRACTOR.COM T:

\* - 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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