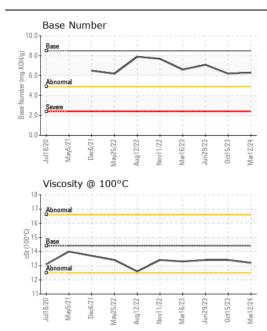
**WEAR** CONTAMINATION **FLUID CONDITION**  **NORMAL NORMAL NORMAL** 

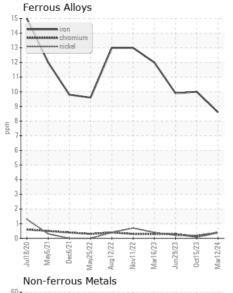
Machine Id

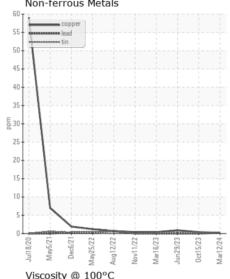
## **JOHN DEERE RTL-4**

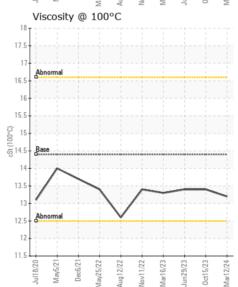
Component
Diesel Engine

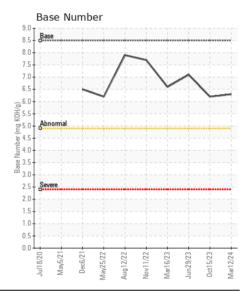
DECOMMENDATION	<del>-</del> .						
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.	Sample Number		Client Info		CL0005243 12 Mar 2024	CL0004796	CL0004425
	Sample Date	hvo	Client Info			15 Oct 2023 3751	29 Jun 2023
	Machine Age	hrs	Client Info		4025 274	0	3390
	Oil Age Filter Age	hrs hrs	Client Info		0	0	0
	Oil Changed	1113	Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Cleaned	Cleaned
	Sample Status				NORMAL	NORMAL	NORMAL
VEAR	Iron	ppm	ASTM D5185m	<u></u>	9	10	10
VLAN	Chromium	ppm	ASTM D5185m		ء <1	<1	<1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		<1	<1	<1
	Titanium	ppm	ASTM D5185m	/5	0	0	0
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m		4	3	3
	Lead	ppm	ASTM D5185m		<1	0	0
	Copper	ppm	ASTM D5185m		<1	<1	<1
	Tin	ppm	ASTM D5185m		<1	<1	<1
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>22	4	4	4
	Potassium	ppm	ASTM D5185m		<1	2	2
There is no indication of any contamination in the oil.	Fuel	1-1-	WC Method	>2.1	<1.0	<1.0	<1.0
	Water		WC Method	>0.21	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.1	0.2	0.2
	Nitration	Abs/cm	*ASTM D7624	>20	8.9	8.8	9.5
	Sulfation	Abs/.1mm	*ASTM D7415	>30	17.7	17.8	18.8
	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	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water	scalar	*Visual	>0.21	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>216	3	2	2
The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		72	57	72
oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m	100	90	93	88
	Manganese	ppm	ASTM D5185m		0	0	<1
	Magnesium	ppm	ASTM D5185m		33	17	20
	Calcium	ppm	ASTM D5185m		2260	2215	2267
	Phosphorus	ppm	ASTM D5185m		1137	973	1080
	Zinc	ppm	ASTM D5185m		1271	1237	1307
	Sulfur	ppm Abo/ 1mm	*ASTM D5185m		4405	4303	4701
	Oxidation Base Number (BN)	Abs/.1mm			13.8 6.3	13.4 6.2	14.0 7.1
	Raco Number (DNI)						













Certificate L2367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : CL0005243 Lab Number : 06121432

Unique Number : 10930265

Received **Tested** Diagnosed

: 19 Mar 2024

: 19 Mar 2024 - Wes Davis

: 18 Mar 2024

US 28134 Contact: SERVICE MANAGER

**BULLSEYE CONSTRUCTION** 

Test Package : CONST (Additional Tests: TBN) 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)

T:

F:

581 N POLK ST

PINEVILLE, NC