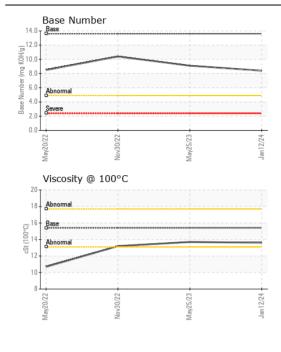
**WEAR** CONTAMINATION **FLUID CONDITION** 

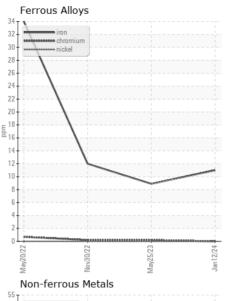
**NORMAL NORMAL** NORMAL

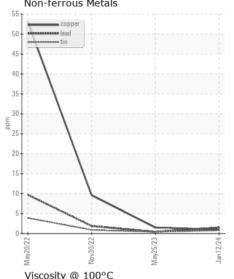
## **JOHN DEERE 1T0310SLJMF397598**

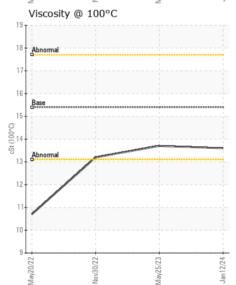
Component Diesel Engine

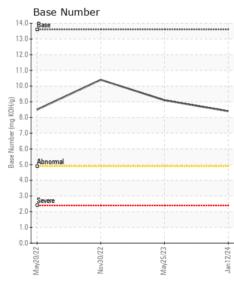
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		JR0199081	JR0174676	JR0154289
	Sample Date		Client Info		12 Jan 2024	25 May 2023	30 Nov 202
	Machine Age	hrs	Client Info		1730	1241	925
	Oil Age	hrs	Client Info		489	316	352
	Filter Age	hrs	Client Info		0	316	352
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>51	11	9	12
	Chromium	ppm	ASTM D5185m	>11	0	<1	<1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	0	0
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m		5	4	4
	Lead	ppm	ASTM D5185m		2	<1	2
	Copper	ppm	ASTM D5185m		1	2	10
	Tin	ppm	ASTM D5185m		<1	<1	<1
	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	7	8	6
CONTAMINATION	Potassium	ppm	ASTM D5185m		1	1	0
There is no indication of any contamination in the oil.	Fuel	ррпп	WC Method		<1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method	70.21	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	<b>\3</b>	0.1	0.1	0.1
	Nitration	Abs/cm	*ASTM D7624		8.5	8.4	9.0
	Sulfation	Abs/.1mm	*ASTM D7415		21.9	21.7	22.6
	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	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water		*Visual	>0.21	NEG	NEG	NEG
LUID CONDITION	Codium	nnm	ASTM D5185m	. 01	4	4	2
LOID CONDITION	Sodium Boron	ppm	ASTM D5185m	<b>/</b> 01	1 255	1 270	266
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5165III		261	248	247
	Manganese		ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		838	860	810
	Calcium	ppm	ASTM D5185m		1462	1416	1492
	Phosphorus	ppm	ASTM D5185m		961	925	871
	Zinc	ppm	ASTM D5185m		1127	1119	1045
	Sulfur	ppm	ASTM D5185m		3139	3638	3546
	Oxidation	Abs/.1mm	*ASTM D7414	>25	16.6	16.8	17.2
	Base Number (BN)				8.4	9.1	10.4













Laboratory Sample No. Lab Number

**Unique Number** 

: JR0199081 : 06060851 : 10832233

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Recieved : 16 Jan 2024 Diagnosed

: 17 Jan 2024 Diagnostician : Wes Davis

Test Package : CONST ( Additional Tests: TBN )

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

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

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

**NPL CONSTRUCTION** 

7611 COPPERMINE DR MANASSAS, VA US 20109-2668 Contact: BRANDON

T: F: