WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

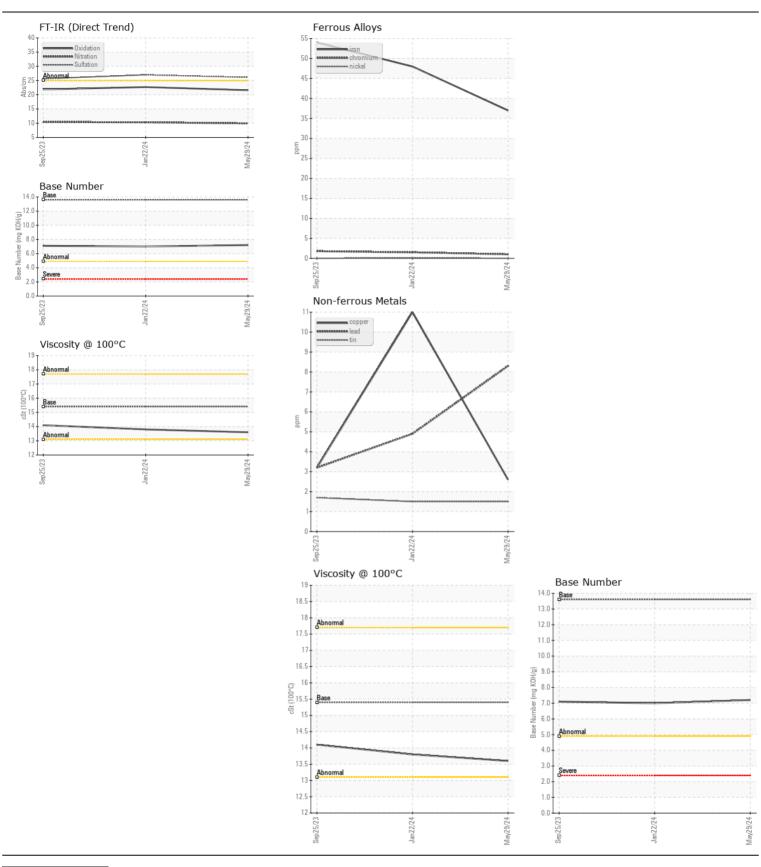
Machine Id

JOHN DEERE 3009767 (S/N 066037)

Diesel Engine

JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (14 GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		JR0214245	JR0200941	JR010490
	Sample Date		Client Info		29 May 2024	22 Jan 2024	25 Sep 202
	Machine Age	hrs	Client Info		4477	4077	3595
	Oil Age	hrs	Client Info		400	482	3595
	Filter Age	hrs	Client Info		400	482	3595
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	ABNORMA
VEAR	Iron	ppm	ASTM D5185m	>51	37	48	<u></u> 54
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>11	1	2	2
	Nickel	ppm	ASTM D5185m		0	<1	0
	Titanium	ppm	ASTM D5185m		<1	0	0
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m		14	13	12
	Lead	ppm	ASTM D5185m		8	5	3
	Copper	ppm	ASTM D5185m		3	11	3
	Tin	ppm	ASTM D5185m		2	2	2
	Vanadium	ppm	ASTM D5185m		- <1	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	-22	14	11	15
CONTAININATION	Potassium	ppm	ASTM D5185m		1	<1	2
There is no indication of any contamination in the oil.	Fuel	ppiii	WC Method		<1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method	<i>></i> 0.∠1	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	~3	0.5	0.7	0.8
	Nitration	Abs/cm	*ASTM D7624	>20	9.9	10.3	10.4
	Sulfation	Abs/.1mm	*ASTM D7024		26.1	27.0	25.6
	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
THE CONDITION	0 "		AOTA DE LOS	0.4			
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>31	3	<1	5
The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		125	90	87
oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		<1	0	0
	Molybdenum	ppm	ASTM D5185m		265	225	252
	Manganese	ppm	ASTM D5185m		1	1	2
	Magnesium	ppm	ASTM D5185m		869 1406	878	943
	Calcium	ppm	ASTM D5185m ASTM D5185m		1496	1667	1546
	Phosphorus	ppm			975	1010	960
	Zinc	ppm	ASTM D5185m		1156	1086	1191
	Sulfur	ppm Abo/1mm	ASTM D5185m	. 05	3264	2776	3366
	Oxidation	Abs/.1mm	*ASTM D7414		21.6 7.2	22.7	21.9 7.1
	Base Number (BN)	I/OII/				7.0	







Report Id: RWMNEW [WUSCAR] 06195286 (Generated: 05/31/2024 12:40:37) Rev: 1

Laboratory Sample No.

: JR0214245 Lab Number : 06195286 Unique Number : 11057409

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

Diagnosed

: 30 May 2024 : 31 May 2024

: 31 May 2024 - Wes Davis

JRE - NEW BERN 3816 MARTIN LUTHER KING BLVD

NEW BERN, NC US 28562

Test Package : CONST (Additional Tests: TBN) Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

Contact: NEW BERN SHOP nick.etherdridge@jamesriverequipment.com;canastasio@wearcheckusa.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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