WEAR
CONTAMINATION
FLUID CONDITION

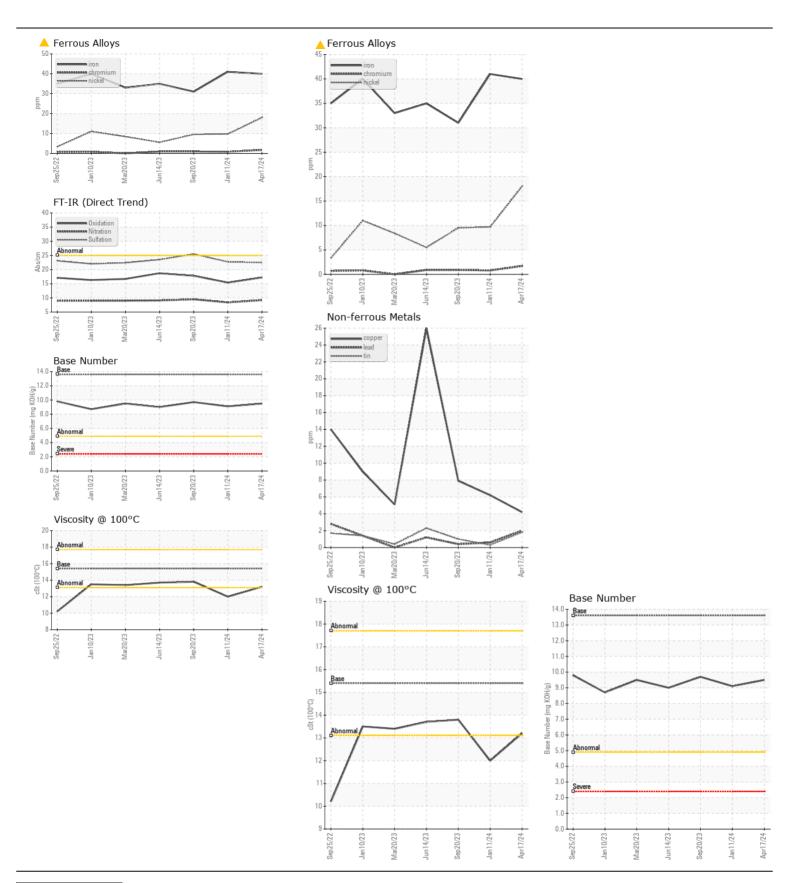
ABNORMAL NORMAL NORMAL

Machine Id

JOHN DEERE 850L 1T0850LXKNF426545

Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Number		Client Info		JR0211359	JR0192035	JR0187790
	Sample Date		Client Info		17 Apr 2024	11 Jan 2024	20 Sep 202
	Machine Age	hrs	Client Info		3461	2977	1944
	Oil Age	hrs	Client Info		484	500	1944
	Filter Age	hrs	Client Info		484	500	0
	Oil Changed		Client Info		Changed	Changed	N/A
	Filter Changed		Client Info		Changed	Changed	N/A
	Sample Status				ABNORMAL	ATTENTION	NORMAL
VEAR	Iron	ppm	ASTM D5185m	>51	40	41	31
	Chromium	ppm	ASTM D5185m	>11	2	<1	<1
Exhaust valve wear is indicated.	Nickel	ppm	ASTM D5185m	>5	1 8	10	10
	Titanium	ppm	ASTM D5185m		<1	0	<1
	Silver	ppm	ASTM D5185m	>3	<1	0	0
	Aluminum	ppm	ASTM D5185m	>31	6	5	6
	Lead	ppm	ASTM D5185m	>26	2	<1	<1
	Copper	ppm	ASTM D5185m	>26	4	6	8
	Tin	ppm	ASTM D5185m	>4	2	<1	1
	Vanadium	ppm	ASTM D5185m		<1	<1	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>22	11	11	11
	Potassium	ppm	ASTM D5185m		2	0	1
There is no indication of any contamination in the oil.	Fuel	1-1-	WC Method	>2.1	<1.0	0.1	<1.0
	Water		WC Method	>0.21	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.7	0.6	0
	Nitration	Abs/cm	*ASTM D7624	>20	9.2	8.4	9.5
	Sulfation	Abs/.1mm	*ASTM D7415	>30	22.5	22.7	25.5
	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	>31	2	2	3
The DNI was all indicates that there is a vitable all allights were in in the	Boron	ppm	ASTM D5185m		181	147	234
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		<1	0	0
	Molybdenum	ppm	ASTM D5185m		217	183	267
	Manganese	ppm	ASTM D5185m		2	<1	1
	Magnesium	ppm	ASTM D5185m		743	618	861
	Calcium	ppm	ASTM D5185m		1569	2184	1564
	Phosphorus	ppm	ASTM D5185m		950	958	922
	Zinc	ppm	ASTM D5185m		1067	1159	1134
	Sulfur	ppm	ASTM D5185m		3224	3175	3620
				0.5	47.0	4 - 4	470
	Oxidation Base Number (BN)	Abs/.1mm	*ASTM D7414		17.2 9.5	15.4 9.1	17.8 9.7







Certificate L2367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0211359 Lab Number : 06152901

Unique Number: 10982979

Received **Tested** Diagnosed Test Package : CONST (Additional Tests: TBN)

: 18 Apr 2024 : 19 Apr 2024

: 22 Apr 2024 - Sean Felton

US 20136 Contact: DANNY HUFF dhuff@bandssite.com

B & S SITE DEVLEOPMENT

7800 PINEY BRANCH LANE

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. T: (540)270-3203 F: (703)753-0605 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

BRISTOW, VA