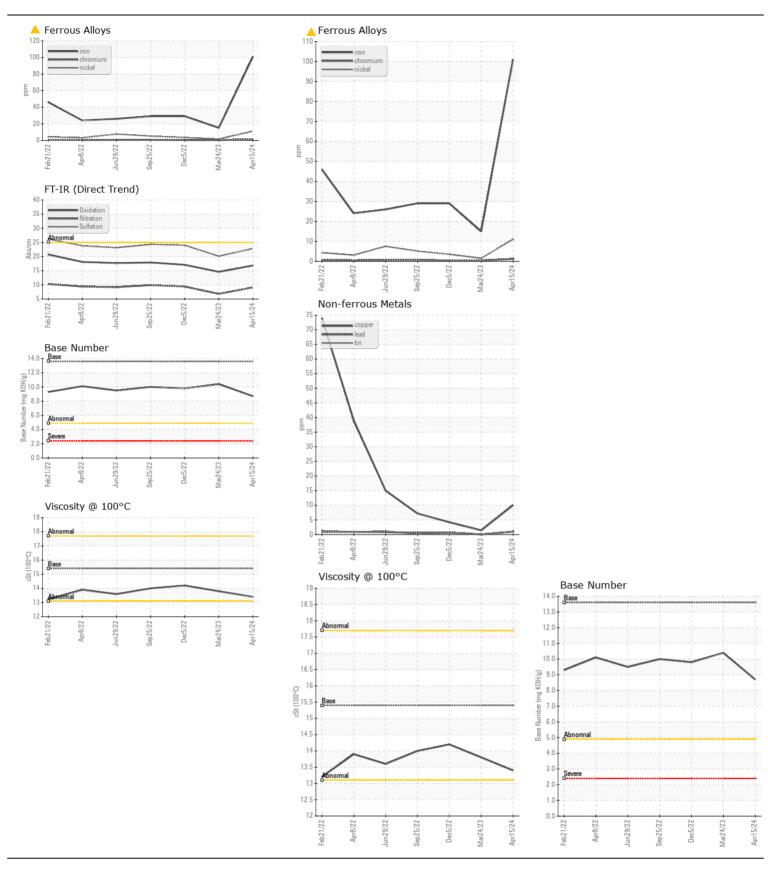
WEAR CONTAMINATION FLUID CONDITION **ABNORMAL NORMAL NORMAL**

Machine Id

JOHN DEERE 350G 1FF350GXEMF815178

Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.	Sample Number	OOW	Client Info	LITTIU/ NOTI	JR0211188	-	JR015435
	Sample Date		Client Info		15 Apr 2024	1	05 Dec 202
	Machine Age	hrs	Client Info		3984	3458	2936
	Oil Age	hrs	Client Info		3462	522	419
	Filter Age	hrs	Client Info		3462	522	0
	Oil Changed		Client Info		Changed	Not Changd	Changed
	Filter Changed		Client Info		Changed	Not Changd	Changed
	Sample Status				ABNORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>51	<u> </u>	15	29
Cylinder, crank, or cam shaft wear is indicated. Valve wear is indicated.	Chromium	ppm	ASTM D5185m	>11	1	<1	<1
	Nickel	ppm	ASTM D5185m	>5	▲ 11	2	4
	Titanium	ppm	ASTM D5185m		<1	0	0
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m	>31	5	3	2
	Lead	ppm	ASTM D5185m	>26	1	0	<1
	Copper	ppm	ASTM D5185m	>26	10	1	4
	Tin	ppm	ASTM D5185m	>4	<1	0	<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	8	8	8
CONTAMINATION	Potassium	ppm	ASTM D5185m		23	2	2
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	\ 3	0.6	0.2	0.5
	Nitration	Abs/cm	*ASTM D7624	>20	9.1	6.8	9.4
	Sulfation	Abs/.1mm	*ASTM D7415		22.8	20.1	24.0
	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
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>31	6	3	2
The DN requit indicates that there is quitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		160	311	196
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	3	0
	Molybdenum	ppm	ASTM D5185m		240	250	257
	Manganese	ppm	ASTM D5185m		1	<1	<1
	Magnesium	ppm	ASTM D5185m		777	783	868
	Calcium	ppm	ASTM D5185m		1460	1380	1569
	Phosphorus	ppm	ASTM D5185m		867	896	897
	Zinc	ppm	ASTM D5185m		1011	1044	1150
	Sulfur	ppm	ASTM D5185m		3076	3171	3415
	Oxidation	Abs/.1mm	*ASTM D7414	>25	16.8	14.6	17.1
	Base Number (BN)	mg KOH/g	ASTM D2896	13.6	8.7	10.4	9.8
	Visc @ 100°C	cSt	ASTM D445	4 = 4	13.4	13.8	14.2







Certificate L2367

Laboratory Sample No.

Lab Number : 06150883 Unique Number : 10980961

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0211188

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

Received **Tested** Diagnosed

: 16 Apr 2024 : 17 Apr 2024

Test Package : CONST (Additional Tests: TBN)

: 19 Apr 2024 - Don Baldridge

US 20136 Contact: DANNY HUFF dhuff@bandssite.com T: (540)270-3203

B & S SITE DEVLEOPMENT

7800 PINEY BRANCH LANE

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. F: (703)753-0605 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

BRISTOW, VA