WEAR CONTAMINATION FLUID CONDITION

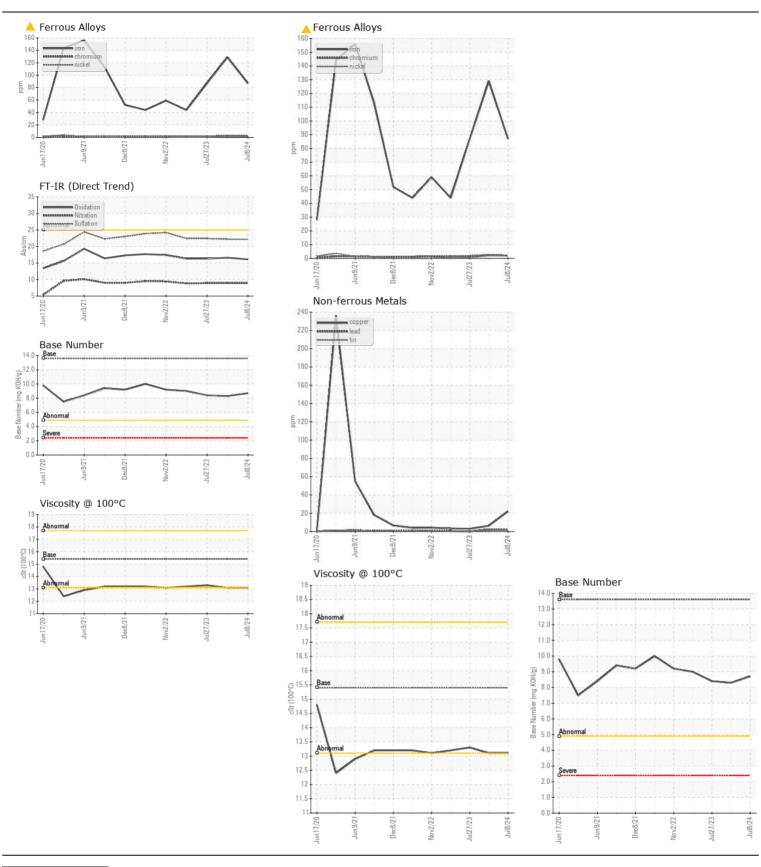
ABNORMAL NORMAL NORMAL

Machine Id

## **JOHN DEERE 350G 1FF350GXEHF812254**

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	OOW	Client Info	LIIIIIUAUII	JR0220388	JR0204159	JR0177888
	Sample Date		Client Info		08 Jul 2024	25 Mar 2024	27 Jul 2023
	Machine Age	hrs	Client Info		6462	6049	5470
	Oil Age	hrs	Client Info		413	579	516
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAD	Iron	nnm	ASTM D5185m	. 51	A 07	A 100	A 07
WEAR	Iron	ppm			<u>▲</u> 87	▲ 129 2	▲ 87 2
The iron level has decreased, but is still abnormal. Cylinder, crank, or cam shaft wear is indicated.	Chromium Nickel	ppm	ASTM D5185m ASTM D5185m		2	2	<1
	Titanium	ppm	ASTM D5185m	>0	<1	<1	0
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m		7	6	4
	Lead	ppm	ASTM D5185m		2	2	0
	Copper	ppm	ASTM D5185m		22	6	3
	Tin	ppm	ASTM D5185m		2	1	0
	Vanadium	ppm	ASTM D5185m		- <1	<1	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTANUNATION							
CONTAMINATION	Silicon	ppm	ASTM D5185m		11	14	9
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		4	4	1
	Fuel		WC Method		<1.0	<1.0	<1.0
	Water		WC Method	>0.21	NEG	NEG	NEG
	Glycol	0/	WC Method	. 0	NEG	NEG 0.5	NEG 0.4
	Soot %	% Abolom	*ASTM D7844		0.4	0.5	0.4
	Nitration Sulfation	Abs/.1mm	*ASTM D7624 *ASTM D7415	>20	8.9 22.2	8.9 22.2	8.9 22.4
	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	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water		*Visual	>0.21	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>31	4	<1	4
The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		208	177	168
oil. The condition of the oil is acceptable for the time in service.	Barium	ppm	ASTM D5185m		0	1	0
	Molybdenum	ppm	ASTM D5185m		282	256	272
	Manganese	ppm	ASTM D5185m		1	2	<1
	Magnesium	ppm	ASTM D5185m		875	804	929
	Calcium	ppm	ASTM D5185m		1527	1461	1595
	Phosphorus	ppm	ASTM D5185m		934	926	948
	Zinc	ppm	ASTM D5185m		1134	1058	1154
	Sulfur	ppm	ASTM D5185m	0.5	3047	2902	3547
	Oxidation	Abs/.1mm	*ASTM D7414		16.1	16.6	16.3
	Base Number (BN)	mg KOH/g	ASTM D2896		8.7	8.3	8.4
	Visc @ 100°C	cSt	ASTM D445	15.4	13.1	13.1	13.3







Certificate L2367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0220388 Lab Number : 06232033 Unique Number: 11115526

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

: 10 Jul 2024 : 10 Jul 2024

: 11 Jul 2024 - Don Baldridge

JRE - CHARLOTTE 9550 STATESVILLE ROAD CHARLOTTE, NC US 28269

Contact: CHARLOTTE SHOP

myoung@jamesriverequipment.com

T: (704)597-0211 F: (704)596-6198

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)