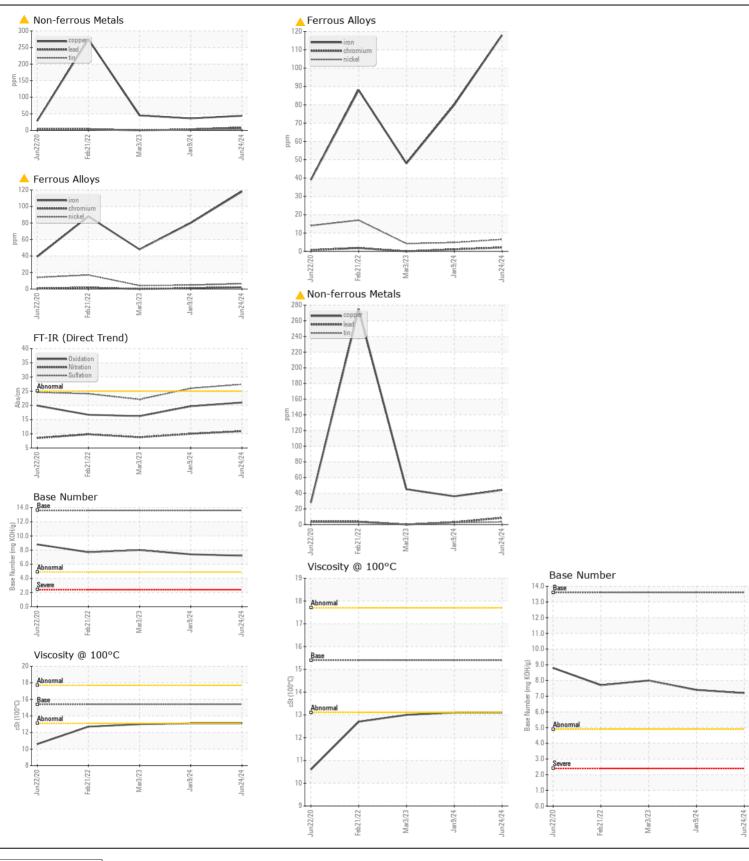
**WEAR** CONTAMINATION **FLUID CONDITION**  **ABNORMAL** NORMAL **ATTENTION** 

Machine Id

## **JOHN DEERE 350G 1FF350GXJKF814262**

Diesel Engine

ECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		JR0222613	JR0197311	JR016369
Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.	Sample Date		Client Info		24 Jun 2024	09 Jan 2024	03 Mar 202
	Machine Age	hrs	Client Info		3177	2889	1071
	Oil Age	hrs	Client Info		288	1818	1071
	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	NORMAL
/EAD	lunu		ACTM DE10E		A 440	A 00	40
WEAR	Iron	ppm	ASTM D5185m		<u> </u>	<u>^</u> 80	48
The copper level is abnormal. Cylinder, crank, or cam shaft wear is indicated.	Chromium	ppm	ASTM D5185m		2	1	0
	Nickel	ppm	ASTM D5185m	>5	6	5	4
	Titanium	ppm	ASTM D5185m	0	<1	<1	0
	Silver	ppm	ASTM D5185m		<1	0	0
	Aluminum	ppm	ASTM D5185m		8	6	4
	Lead	ppm	ASTM D5185m		8	3	0
	Copper	ppm	ASTM D5185m		<u>44</u>	36	45
	Tin	ppm	ASTM D5185m	>4	3	2	0
	Vanadium White Metal	ppm	*Visual	NONE	<1 NONE	<1 NONE	0 NONE
		scalar		NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
ONTAMINATION	Silicon	ppm	ASTM D5185m	>22	13	10	6
	Potassium	ppm	ASTM D5185m	>20	19	2	2
Sodium and/or potassium levels are high. Test for glycol is negative.	Fuel		WC Method	>2.1	<1.0	<1.0	<1.0
	Water		WC Method	>0.21	NEG	NEG	NEG
	Glycol	%	*ASTM D2982		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.9	0.7	0.4
	Nitration	Abs/cm	*ASTM D7624	>20	10.9	10.0	8.8
	Sulfation	Abs/.1mm	*ASTM D7415	>30	27.4	26.0	22.1
	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
	<b>Emulsified Water</b>	scalar	*Visual	>0.21	NEG	NEG	NEG
LUD CONDITION	0 "		AOTM DEGOE			_	
LUID CONDITION	Sodium	ppm	ASTM D5185m	>31	<b>7</b> 0	5	<1
The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		18	33	194
oil. The condition of the oil is acceptable for the time in service.	Barium	ppm	ASTM D5185m		2	<1	0
	Molybdenum	ppm	ASTM D5185m		269	254	250
	Manganese	ppm	ASTM D5185m		2	1	0
	Magnesium	ppm	ASTM D5185m		818	811	781
	Calcium	ppm	ASTM D5185m		1518	1484	1467
	Phosphorus	ppm	ASTM D5185m		809	852	1076
	Zinc	ppm	ASTM D5185m		1101	1081	1076
	Sulfur	ppm Abo/1mm	ASTM D5185m	- OF	2793	2668	3011
	Oxidation Base Number (BN)	Abs/.1mm	*ASTM D7414		21.0 7.2	19.7 7.4	16.2 8.0
	pase number (RN)	IIIU NUH/0	49 I M D 2096	13.0	1.2	7.4	0.0





Certificate L2367

Laboratory

Sample No. Unique Number : 11097727

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0222613 Lab Number : 06219530

Received **Tested** Diagnosed

: 25 Jun 2024 : 26 Jun 2024

: 26 Jun 2024 - Jonathan Hester

JRE - GARNER 4161 AUBURN CHURCH RD GARNER, NC

US 27529

Contact: RALEIGH SHOP sean.betts@jamesriverequipment.com;catherine.anastasio@wearcheck.com

T: (919)614-2260 F: (919)779-5432

Test Package : CONST ( Additional Tests: Glycol, TBN ) 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)