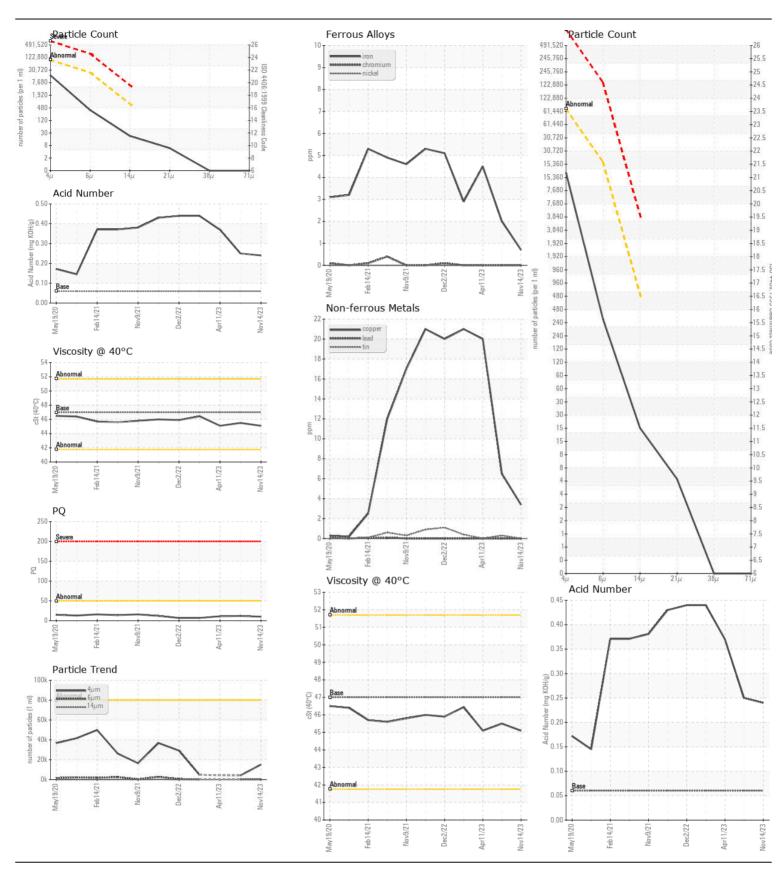
WEAR CONTAMINATION **FLUID CONDITION** **NORMAL NORMAL NORMAL**

Machine Id

JOHN DEERE 350G 1FF350GXVJF812433

Hydraulic System

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		JR0186261	JR0181512	JR016343
Resample at the next service interval to monitor.	Sample Date		Client Info		14 Nov 2023	25 Jul 2023	11 Apr 202
	Machine Age	hrs	Client Info		5501	5160	4686
	Oil Age	hrs	Client Info		2949	3082	3055
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Not Changd	Not Changd	Not Chang
	Filter Changed		Client Info		Not Changd	Changed	Not Change
	Sample Status				NORMAL	NORMAL	ABNORMA
WEAR	PQ		ASTM D8184	>50	10	12	11
	Iron	ppm	ASTM D5185m	>32	<1	2	4
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>9	0	0	0
	Nickel	ppm	ASTM D5185m	>5	0	0	0
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m	>9	<1	<1	2
	Lead	ppm	ASTM D5185m	>28	0	0	0
	Copper	ppm	ASTM D5185m	>50	3	6	20
	Tin	ppm	ASTM D5185m	>5	0	<1	0
	Vanadium	ppm	ASTM D5185m		<1	0	0
	White Metal	scalar	*Visual	NONE	LIGHT	NONE	LIGHT
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>11	2	2	3
	Potassium	ppm	ASTM D5185m	>20	<1	<1	0
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.	Water		WC Method	>0.075	NEG	NEG	NEG
	Particles >4µm		ASTM D7647	>80000	15142	4139	
	Particles >6µm		ASTM D7647	>20000	329	259	
	Particles >14μm		ASTM D7647	>640	19	16	
	Particles >21µm		ASTM D7647	>160	5	3	
	Particles >38μm		ASTM D7647	>40	0	0	
	Particles >71µm		ASTM D7647	>10	0	0	
	Oil Cleanliness		ISO 4406 (c)	>23/21/16	21/16/11	19/15/11	
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	▲ MODE
	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	>0.075	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>21	<1	0	0
	Boron	ppm	ASTM D5185m		0	0	0
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	2	0
	Molybdenum	ppm	ASTM D5185m		0	0	0
	Manganese	ppm	ASTM D5185m		<1	0	<1
	Magnesium	ppm	ASTM D5185m		<1	<1	<1
	Calcium	ppm	ASTM D5185m		67	78	214
	Phosphorus	ppm	ASTM D5185m	827	594	567	596
	Zinc	ppm	ASTM D5185m		64	67	<u>▲</u> 167
	Sulfur	ppm	ASTM D5185m		293	296	618
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.24	0.25	0.37
	Visc @ 40°C	cSt	ASTM D445		45.1	45.5	45.1





Certificate L2367

Unique Number : 10742015

Laboratory Sample No. **Lab Number**

: JR0186261 : 06008253

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

Received **Tested**

: 16 Nov 2023 : 17 Nov 2023 - Don Baldridge Diagnosed Test Package : CONST (Additional Tests: PQ)

: 15 Nov 2023

JRE - GARNER 4161 AUBURN CHURCH RD GARNER, NC

US 27529 Contact: RALEIGH SHOP

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. sean.betts@jamesriverequipment.com;catherine.anastasio@wearcheck.com T: (919)614-2260

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F: (919)779-5432