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

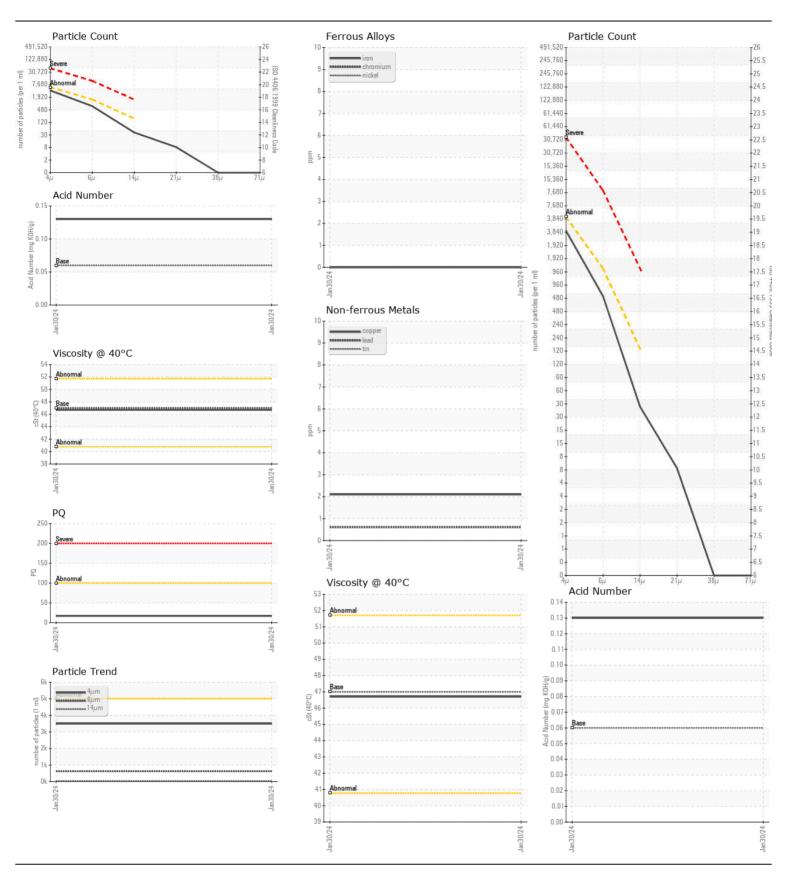
**NORMAL NORMAL NORMAL** 

Machine Id

## **JOHN DEERE 000008**

Component Hydraulic System

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		JR0201044		
Resample at the next service interval to monitor.	Sample Date		Client Info		30 Jan 2024		
	Machine Age	hrs	Client Info		520		
	Oil Age	hrs	Client Info		520		
	Filter Age	hrs	Client Info		520		
	Oil Changed		Client Info		Not Changd		
	Filter Changed		Client Info		Not Changd		
	Sample Status				NORMAL		
WEAR	PQ		ASTM D8184		17		
VEAIL	Iron	ppm	ASTM D5185m	>20	0		
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		0		
	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m	7.0	<1		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>10	0		
	Lead	ppm	ASTM D5185m		<1		
	Copper	ppm	ASTM D5185m		2		
	Tin	ppm	ASTM D5185m		<1		
	Vanadium	ppm	ASTM D5185m	710	0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Ciliaan		ACTM DE10Em	. 00	4		
CONTAMINATION	Silicon Potassium	ppm	ASTM D5185m ASTM D5185m		0		
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.	Water	ppm			-		
			WC Method		NEG		
	Particles >4µm Particles >6µm		ASTM D7647		3495		
			ASTM D7647 ASTM D7647		631		
	Particles >14µm				35 7		
	Particles >21µm		ASTM D7647		0		
	Particles >38µm		ASTM D7647		-		
	Particles >71µm		ASTM D7647		0		
	Oil Cleanliness		ISO 4406 (c)		19/16/12		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.1	NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185m		<1		
	Boron	ppm	ASTM D5185m		0		
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		0		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		1		
	Calcium	ppm	ASTM D5185m		5		
	Phosphorus	ppm	ASTM D5185m		538		
	Zinc	ppm	ASTM D5185m		38		
	Sulfur	ppm	ASTM D5185m		122		
	Acid Number (AN)	mg KOH/g	ASTM D8045	0.06	0.13		
	Visc @ 40°C	cSt	ASTM D445		46.7		





Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** 

: JR0201044 : 06076769

: 10858860

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

: 01 Feb 2024 : 02 Feb 2024 Diagnostician : Don Baldridge

Test Package : CONST ( Additional Tests: PQ )

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

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

4161 AUBURN CHURCH RD

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)

JRE - GARNER

GARNER, NC

US 27529