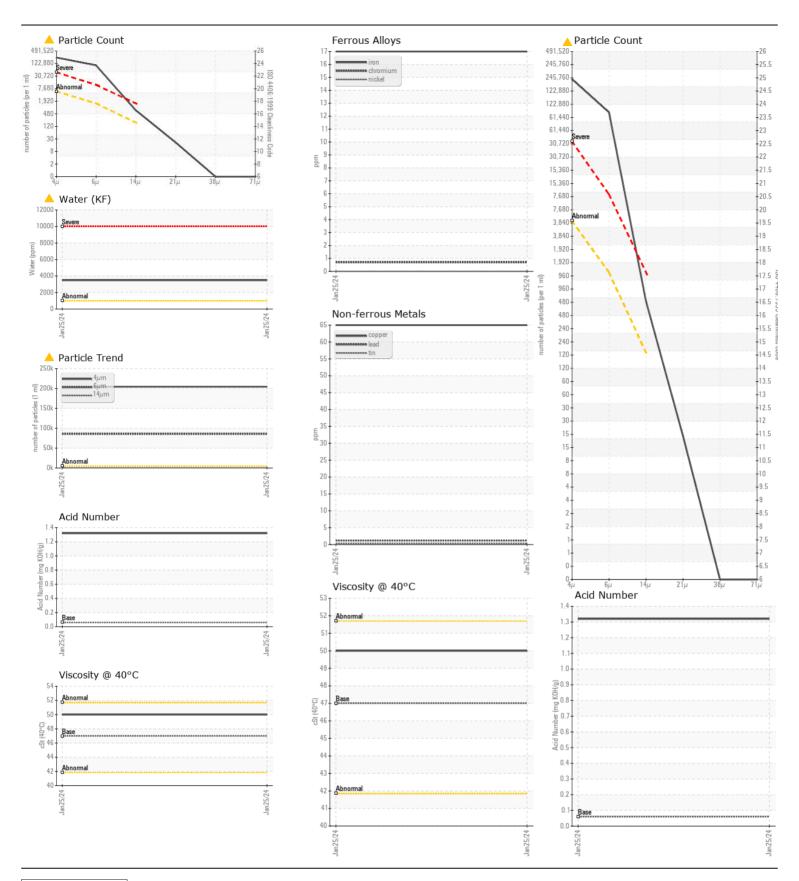
WEAR CONTAMINATION FLUID CONDITION

NORMAL ABNORMAL NORMAL

JOHN DEERE 200LC C9009046 (S/N 050953)

Component Hydraulic System

	_				(_)	·	
RECOMMENDATION We advise that you check for the source of water entry. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		JR0201484		
	Sample Date		Client Info		25 Jan 2024		
	Machine Age	hrs	Client Info		4646		
	Oil Age	hrs	Client Info		0		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				ABNORMAL		
WEAR	PQ		ASTM D8184		17		
	Iron	ppm	ASTM D5185m	>20	17		
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		<1		
	Nickel	ppm	ASTM D5185m	>10	0		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>10	2		
	Lead	ppm	ASTM D5185m		1		
	Copper	ppm	ASTM D5185m		65		
	Tin	ppm	ASTM D5185m		<1		
	Vanadium	ppm	ASTM D5185m	7.0	0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION Appearance is hazy. There is a high amount of particulates present in the oil. There is a moderate concentration of water present in the oil.	Silicon	ppm	ASTM D5185m		7		
	Potassium	ppm	ASTM D5185m		<1		
	Water	%	ASTM D6304		<u> </u>		
	ppm Water	ppm	ASTM D6304		<u>^</u> 3490		
	Particles >4µm		ASTM D7647		<u>^</u> 204392		
	Particles >6µm		ASTM D7647		<u>A</u> 85717		
	Particles >14µm		ASTM D7647		<u>▲</u> 613		
	Particles >21µm		ASTM D7647		18		
	Particles >38µm		ASTM D7647		0		
	Particles >71µm		ASTM D7647		0		
	Oil Cleanliness		ISO 4406 (c)		<u>^</u> 25/24/16		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	▲ HAZY		
	Odor		*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.1	0.2%		
FLUID CONDITION	Sodium	ppm	ASTM D5185m		5		
LOID GONDITION	Boron	ppm	ASTM D5185m		6		
The AN level is acceptable for this fluid. The condition of the oils	Barium	ppm	ASTM D5185m		0		
additive package is suitable for further service.	Molybdenum	ppm	ASTM D5185m		2		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		17		
	Calcium	ppm	ASTM D5185m		2626		
	Phosphorus	ppm	ASTM D5185m	827	927		
	Zinc	ppm	ASTM D5185m		1108		
	Sulfur	ppm	ASTM D5185m		2955		
	Janai	PPIII		10	_500		
	Acid Number (AN)	mg KOH/g	ASTM D8045	0.06	1.32		





Certificate L2367

Report Id: VANASH [WUSCAR] 06084692 (Generated: 02/13/2024 11:25:42) Rev: 1

Laboratory Sample No.

: JR0201484 Lab Number : 06084692 Unique Number: 10872137

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

Diagnosed Test Package: CONST (Additional Tests: KF, PQ)

: 12 Feb 2024 : 12 Feb 2024 - Jonathan Hester

: 09 Feb 2024

JRE - ASHEVILLE 101 BRUCE DRIVE ASHEVILLE, NC US 28806

Contact: Randy Warren To discuss this sample report, contact Customer Service at 1-800-237-1369. randy.warren@jamesriverequipment.com T: (528)667-0176

* - 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)

F: (828)667-4865