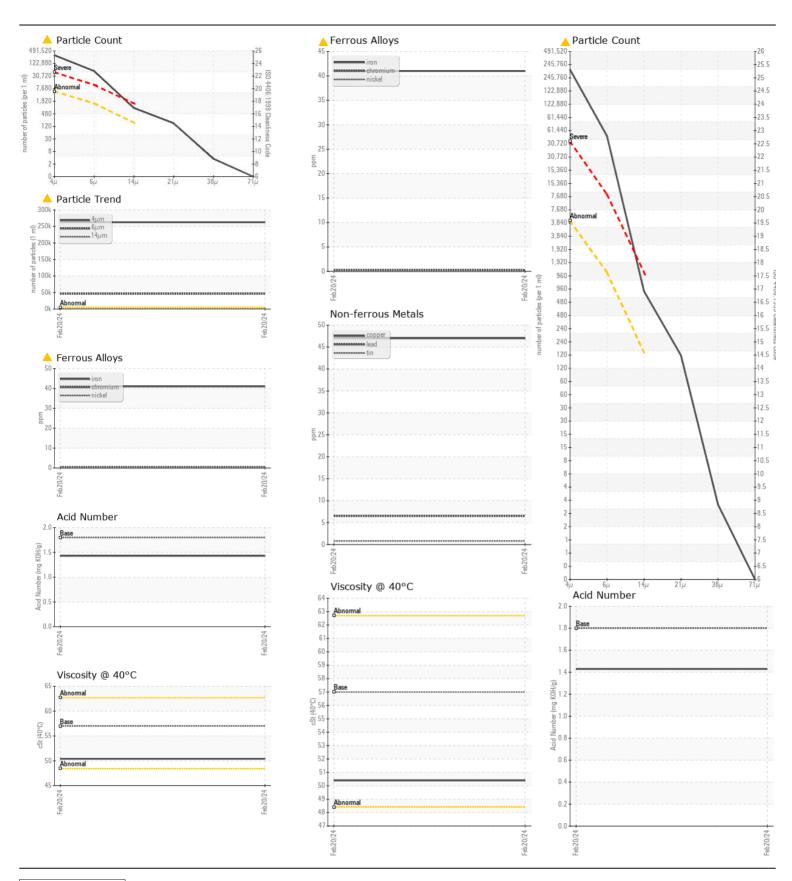
WEAR CONTAMINATION FLUID CONDITION **ABNORMAL ABNORMAL NORMAL**

JOHN DEERE 5090E 1P05090EHNG073737

Component Hydraulic System

Test	UOM	Method	Limit/Abn	Current	History1	History2
	hrs					
	hrs					
	hrs	Client Info				
		Client Info				
_		Client Info				
Sample Status				ABNORMAL		
PQ		ASTM D8184		24		
Iron	ppm	ASTM D5185m	>20	4 1		
Chromium		ASTM D5185m	>10	<1		
				0		
			>10	2		
			210			
			NONE	-		
Yellow Metal	scalar	*Visual	NONE	NONE		
0.00		AOTA DEADE		• • • • • • • • • • • • • • • • • • • •		
	ppm					
·						
•						
				-		
		\ /				
				_		
Emulsified Water	scalar	*Visual	>0.1	NEG		
Sodium	ppm	ASTM D5185m		6		
Boron	ppm	ASTM D5185m	6	10		
Barium	ppm	ASTM D5185m	0	<1		
Molybdenum	ppm	ASTM D5185m	0	0		
Manganese	ppm	ASTM D5185m		3		
Magnesium	ppm	ASTM D5185m	145	85		
•				2920		
				920		
		ASTM D5185m	1640			
Sulfur	ppm	ASTM D5185m		3179		
Acid Number (AN)	mg KOH/g	ASTM D8045	1.8	1.43		
	Sample Number Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status PQ Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Silicon Potassium Water Particles >4µm Particles >6µm Particles >14µm Particles >38µm Particles >6µm Pa	Sample Number Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status PQ Iron Chromium Ppm Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Silicon Ppm Potassium Particles >6µm Particles >14µm Particles >21µm Particles >38µm Particles >90µm Particles >60µm Particles >60µm Particles >71µm Oil Cleanliness Silt Scalar Scalar Scalar Scalar Scalar Scalar Ppm Boron Boron Boron Boron Boron Boron Barium Ppm Molybdenum Manganese Ppm Magnesium Calcium Ppm Phosphorus Zinc Ppm	Sample Number Sample Date Machine Age Oil Age hrs Client Info Cash D5185m ASTM	Sample Number Client Info Sample Date Client Info Machine Age hrs Client Info Oil Age hrs Client Info Filter Age hrs Client Info Oil Changed Client Info Filter Changed Client Info Sample Status Client Info PQ ASTM D5185m Iron ppm ASTM D5185m Chromium ppm ASTM D5185m Nickel ppm ASTM D5185m Titanium ppm ASTM D5185m Silver ppm ASTM D5185m Aluminum ppm ASTM D5185m Aluminum ppm ASTM D5185m Lead ppm ASTM D5185m Copper ppm ASTM D5185m Vanadium ppm ASTM D5185m Vanadium ppm ASTM D5185m Valle Metal scalar Yellow Metal scalar *Visual NONE Silicon	Sample Number Sample Date Client Info JR0193231 Sample Date Client Info 109 Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Filter Age hrs Client Info N/A Oil Changed Client Info N/A Filter Changed Sample Status Client Info N/A PQ ASTM D5185m >10 √1 Kirch Changed Sample Status ASTM D5185m >10 √1 PQ ASTM D5185m >10 √1 Chromium ppm ASTM D5185m >10 √1 Nickel ppm ASTM D5185m >10 √1 Nickel ppm ASTM D5185m >10 √1 Aluminum ppm ASTM D5185m >10 √1 Aluminum ppm ASTM D5185m >10 √1 Vanadium ppm ASTM D5185m >10 √1 Vanadium ppm ASTM D5185m >20<	Sample Number Client Info Sample Date Client Info 20 Feb 2024





Laboratory Sample No.

Lab Number : 06102866 Unique Number : 10901096

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0193231

Received **Tested**

: 28 Feb 2024 : 29 Feb 2024 : 29 Feb 2024 - Don Baldridge Diagnosed

JRE - STATESVILLE 635 MOCKSVILLE HWY STATESVILLE, NC US 28625

Contact: MIKE CRANFILL MCRANFILL@JAMESRIVEREQUIPMENT.COM T: (704)872-6411

Test Package : CONST (Additional Tests: PQ) Certificate L2367 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)