WEAR CONTAMINATION FLUID CONDITION

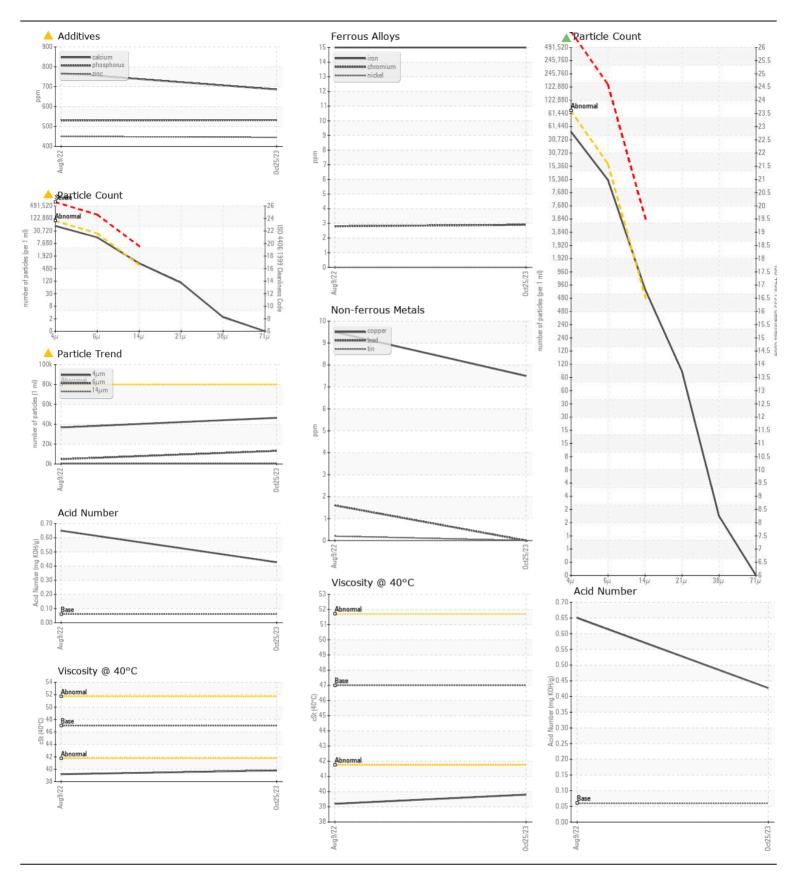
NORMAL ATTENTION ABNORMAL

[LARABEE]

JOHN DEERE 225DX C257355 (S/N 1FF225DXTA0501599)

Hydraulic System

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0165850	JR0133350	
				25 Oct 2023		
J	hrs					
	hrs					
•	hrs			-		
				-	Ü	
		Client Into		-	_	
Sample Status				ABNORMAL	ABNORMAL	
PQ		ASTM D8184	>50	16	16	
	mag	ASTM D5185m	>32			
Silver		ASTM D5185m		0	0	
Aluminum			>9	3	4	
Lead	ppm			0	2	
Copper	ppm			8	10	
Tin	ppm	ASTM D5185m	>5	0	<1	
Vanadium	ppm	ASTM D5185m		0	0	
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	nnm	ASTM D5185m	<11	18	18	
	• •					
	ррпп					
·						
•						
•				0	1	
				-		
	scalar	. ,				
Debris						
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	
Emulsified Water	scalar	*Visual	>0.075	NEG	NEG	
		40714 05405				
	ppm		>21			
	• •					
			007			
Zinc	ppm	ASTM D5185m	U	<u> </u>	<u>450</u>	
Cultur	10.10.100	ACTM DE10E	10	4000	1000	
Sulfur Acid Number (AN)	ppm mg KOH/g	ASTM D5185m ASTM D8045		1969 0.427	1682 0.65	
	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 >71µm Oil Cleanliness Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	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 Particles >6µm Particles >1µm Particles >1µm Particles >71µm Oil Cleanliness Silt Sacalar Sand/Dirt Sacalar Sand/Dirt Sacalar Sodium Pom Boron Barium Manganese Magnesium Pom Pom Manganese Pom Pom Manganese Pom Magnesium Pom Pom Manganese Pom Magnesium Pom Pom Pom Pom Pom Pom Pom Pom Pom Po	Sample Number Sample Date Client Info Machine Age Oil Age hrs Client Info ASTM D5185m VATM D5185m ASTM D5185m ASTM D5185m Phosphorus Client Info Clien	Sample Number Sample Date 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 PQ ASTM D8184 >50 Iron ppm ASTM D5185m >32 Chromium ppm ASTM D5185m >9 Nickel ppm ASTM D5185m >5 Titanium ppm ASTM D5185m >9 Nickel ppm ASTM D5185m >5 Titanium ppm ASTM D5185m >9 Lead ppm ASTM D5185m >5 Copper ppm ASTM D5185m >50 Tin ppm ASTM D5185m >60 Vanadium ppm ASTM D5185m >50 Tin ppm ASTM D5185m >60 Varied Scalar *Visual NONE Silicon ppm ASTM D5185m >20 Water WC Method >0.075 Particles >4µm ASTM D5185m >20 Water WC Method >0.075 Particles >6µm ASTM D7647 >640 Particles >21µm ASTM D7647 >640 Particles >21µm ASTM D7647 >160 Particles >71µm ASTM D7647 >10 Oil Cleanliness Silt scalar *Visual NONE Silt scalar *Visual NONE Particles >6µm ASTM D7647 >10 Oil Cleanliness Scalar *Visual NONE Sand/Dirt scalar *Visual NONE Sodium ppm ASTM D5185m Manganese ppm ASTM D5185m Phosphorus ppm ASTM D5185m Phosphorus ppm ASTM D5185m Phosphorus ppm ASTM D5185m	Sample Number Sample Date Client Info JR0165850 Sample Date Client Info 25 Oct 2023 Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Filter Age hrs Client Info Not changd Filter Changed Client Info Not changd Filter Changed Sample Status Client Info Changed ASTM D8184 >50 16 Iron ppm ASTM D8185m >32 15 Chromium ppm ASTM D8185m >32 15 Chromium ppm ASTM D8185m >9 3 Nickel ppm ASTM D8185m >9 3 Nickel ppm ASTM D8185m >9 3 Aluminum ppm ASTM D8185m >9 3 Lead ppm ASTM D8185m >8 0 Copper ppm ASTM D5185m >5 0 Vanadium ppm ASTM D5185m	Sample Number Client Info Sample Date Client Info 25 Oct 2023 09 Aug 2022 07 809





Certificate L2367

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

: JR0165850 : 06059188 : 10830570

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 12 Jan 2024 Diagnosed : 15 Jan 2024

Diagnostician : Don Baldridge Test Package : CONST (Additional Tests: PQ)

US 27909 Contact: CHARLES PARKER charles.parker@jamesriverequipment.com T: (252)333-2280

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 - ELIZABETH CITY

129 KNOBBS CREEK DR

ELIZABETH CITY, NC

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