WEAR CONTAMINATION **FLUID CONDITION** **ABNORMAL NORMAL ATTENTION**



JOHN DEERE 650K-II 1T0650KKCNF430135

Component Diesel Engine

Test	UOM	Method	Linet/Alex	/		
		Motrioa	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0161048		
Sample Date		Client Info		06 Mar 2023		
Machine Age	hrs	Client Info		719		
Oil Age	hrs	Client Info		719		
Filter Age	hrs	Client Info		719		
Oil Changed		Client Info		Changed		
Filter Changed		Client Info		Changed		
Sample Status				ABNORMAL		
Iron	mag	ASTM D5185m	>51	54		
		ASTM D5185m	>11			
	• • • • • • • • • • • • • • • • • • • •		70	-		
			^3	-		
	• •					
			>4			
			NONE			
				_		
Yellow Metal	scalar	visuai	NONE	NONE		
Silicon	ppm			12		
Potassium	ppm	ASTM D5185m	>20			
Fuel	%	ASTM D3524	>5	0.4		
Water			>0.21	NEG		
Glycol		WC Method		NEG		
Soot %	%	*ASTM D7844	>3	0.6		
Nitration	Abs/cm	*ASTM D7624	>20	10.8		
Sulfation	Abs/.1mm	*ASTM D7415	>30	26.6		
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	>0.21	NEG		
Sodium	ppm	ASTM D5185m	>31	5		
		ASTM D5185m				
-		ASTM D5185m				
_						
-						
	ppm	ASTM D5185m		826		
			>25			
				8.6		
2400 . Tallibor (DIV)	9					
	Oil Age Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Silicon Potassium Fuel Water Glycol Soot % Nitration Sulfation Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Oxidation	Oil Age hrs Filter Age Oil Changed Filter Changed Sample Status Iron ppm Chromium ppm Nickel ppm Titanium ppm Silver ppm Aluminum ppm Lead ppm Copper ppm Tin ppm Vanadium ppm White Metal scalar Yellow Metal scalar Silicon ppm Potassium ppm Fuel % Water Glycol Soot % % Nitration Abs/cm Sulfation Abs/.mm Silt scalar Debris scalar Sand/Dirt scalar Sand/Dirt scalar Sand/Dirt scalar Sodium ppm Boron ppm Boron ppm Barium ppm Molybdenum ppm Manganese ppm Magnesium ppm Calcium ppm Phosphorus ppm Sulfur ppm Sulfur ppm Sulfur ppm Sulfur ppm Oxidation Abs/.1mm	Oil AgehrsClient InfoFilter AgehrsClient InfoOil ChangedClient InfoFilter ChangedClient InfoSample StatusIronppmASTM D5185mChromiumppmASTM D5185mNickelppmASTM D5185mTitaniumppmASTM D5185mSilverppmASTM D5185mAluminumppmASTM D5185mLeadppmASTM D5185mCopperppmASTM D5185mTinppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mVallow Metalscalar*VisualSiliconppmASTM D5185mPotassiumppmASTM D5185mFuel%ASTM D5185mFuel%ASTM D5185mSoot %%*ASTM D5185mNitrationAbs/cm*ASTM D7445Siltscalar*VisualSeprisscalar*VisualSand/Dirtscalar*VisualSand/Dirtscalar*VisualSodiumppmASTM D5185mBoronppmASTM D5185mBoronppmASTM D5185mMolybdenumppmASTM D5185mMagnesiumppmASTM D5185mCalciumppmASTM D5185mPhosphorusppmASTM D5185mSulfurppmASTM D5185mSulfurppmASTM D5185mSulfurppm <td< td=""><th>Oil Age hrs Client Info Filter Age hrs Client Info Oil Changed Client Info Filter Changed Client Info Sample Status Iron ppm ASTM D5185m >51 Chromium ppm ASTM D5185m >51 Chromium ppm ASTM D5185m >5 Titanium ppm ASTM D5185m >3 Aluminum ppm ASTM D5185m >34 Lead ppm ASTM D5185m >26 Copper ppm ASTM D5185m >26 Tin ppm ASTM D5185m >26 Copper ppm ASTM D5185m >26 Tin ppm ASTM D5185m >20 Tin Ppm ASTM D5185m >30 Tin Ppm ASTM D5185m >31 Tin Ppm</th><td>Oil Age hrs Client Info 719 Filter Age hrs Client Info 719 Oil Changed Client Info Changed Filter Changed Client Info Changed Sample Status ABNORMAL Iron ppm ASTM D5185m >51 54 Chromium ppm ASTM D5185m >51 54 Chromium ppm ASTM D5185m >51 54 Chromium ppm ASTM D5185m >5 0 Titanium ppm ASTM D5185m >3 <1</td> Nickel ppm ASTM D5185m >3 <1</td<>	Oil Age hrs Client Info Filter Age hrs Client Info Oil Changed Client Info Filter Changed Client Info Sample Status Iron ppm ASTM D5185m >51 Chromium ppm ASTM D5185m >51 Chromium ppm ASTM D5185m >5 Titanium ppm ASTM D5185m >3 Aluminum ppm ASTM D5185m >34 Lead ppm ASTM D5185m >26 Copper ppm ASTM D5185m >26 Tin ppm ASTM D5185m >26 Copper ppm ASTM D5185m >26 Tin ppm ASTM D5185m >20 Tin Ppm ASTM D5185m >30 Tin Ppm ASTM D5185m >31 Tin Ppm	Oil Age hrs Client Info 719 Filter Age hrs Client Info 719 Oil Changed Client Info Changed Filter Changed Client Info Changed Sample Status ABNORMAL Iron ppm ASTM D5185m >51 54 Chromium ppm ASTM D5185m >51 54 Chromium ppm ASTM D5185m >51 54 Chromium ppm ASTM D5185m >5 0 Titanium ppm ASTM D5185m >3 <1	Oil Age Filter Age hrs Client Info Client Info 719







Certificate L2367

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

: 05788310

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0161048 Recieved : 10 Mar 2023 : 16 Mar 2023 Diagnosed : 10372981

Diagnostician : Jonathan Hester Test Package : CONST (Additional Tests: FuelDilution, PercentFuel, TBN)

Contact: WILMINGTON SHOP todd.simmons@jamesriverequipment.com;canastasio@wearcheck.com;canastasio@we

To discuss this sample report, contact Customer Service at 1-800-237-1369.

T: (910)675-9211

JRE - CASTLE HAYNE

113 CROWATAN ROAD

CASTLE HAYNE, NC

US 28429-5819

* - 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)

Report Id: RWMCAS [WUSCAR] 05788310 (Generated: 01/11/2024 13:22:01) Rev: 1

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