

WEAR CONTAMINATION FLUID CONDITION

NORMAL

ABNORMAL

NORMAL



JOHN DEERE 410E-II 1DW410ELJMF710562

Component Diesel Engine

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0139143		
Sample Date		Client Info		15 Aug 2022		
Machine Age	hrs	Client Info		2060		
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		
Iron	ppm	ASTM D5185m	>51	33		
Chromium	ppm	ASTM D5185m	>11	<1		
Nickel	ppm	ASTM D5185m	>5	2		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>31	6		
Lead	ppm	ASTM D5185m	>26	6		
Copper	ppm	ASTM D5185m	>26	21		
Tin	ppm		>4	4		
Vanadium	ppm	ASTM D5185m		<1		
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
C:I:		ACTM DE10E	00	7		
	70					
			>0.21			
,	0/		. 2			
Sodium	ppm	ASTM D5185m	>31	5		
Boron	ppm	ASTM D5185m		91		
Barium	ppm	ASTM D5185m		2		
Molybdenum	ppm	ASTM D5185m		226		
Manganese	ppm	ASTM D5185m		1		
Magnesium	ppm	ASTM D5185m		671		
Calcium	ppm	ASTM D5185m		1448		
Phosphorus	ppm	ASTM D5185m		832		
Zinc	ppm	ASTM D5185m		1060		
Sulfur	ppm	ASTM D5185m		3175		
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.3		
Base Number (BN)				9.6		
	Sample Number Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow 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	Sample Number Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Ppm Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Silicon Potassium Fuel Water Glycol Soot % Nitration Sulfation Silt Scalar Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Ppm Manganese Ppm Manganese Ppm Nars Nars Nars Nars Nars Nars Nars Nars	Sample Number Sample Date Machine Age Oil Age hrs Client Info Etien Linfo Client Info ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Phosphorus Calcium ppm ASTM D5185m ASTM	Sample Number Sample Date Machine Age hrs Client Info Machine Age hrs Client Info Cilent I	Sample Number Client Info JR0139143 Sample Date Client Info 15 Aug 2022 Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Oil Changed Client Info Changed Filter Changed Client Info Changed Sample Status ABNORMAL Iron ppm ASTM D5185m >51 Sample Status ABNORMAL Iron ppm ASTM D5185m >51 Chromium ppm ASTM D5185m >11 <1	Sample Number Client Info JR0139143







Certificate L2367

Laboratory Sample No.

: JR0139143 Lab Number : 05618129

Unique Number: 10097636 Test Package : CONST (Additional Tests: FuelDilution, TBN)

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 16 Aug 2022 **Tested** : 17 Aug 2022

: 17 Aug 2022 - Jonathan Hester Diagnosed

JRE - CHARLOTTE 9550 STATESVILLE ROAD CHARLOTTE, NC US 28269

Contact: CHARLOTTE SHOP myoung@jamesriverequipment.com

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.

T: (704)597-0211 F: (704)596-6198 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)