WEAR CONTAMINATION FLUID CONDITION

NORMAL

ABNORMAL

NORMAL

[16W16407]

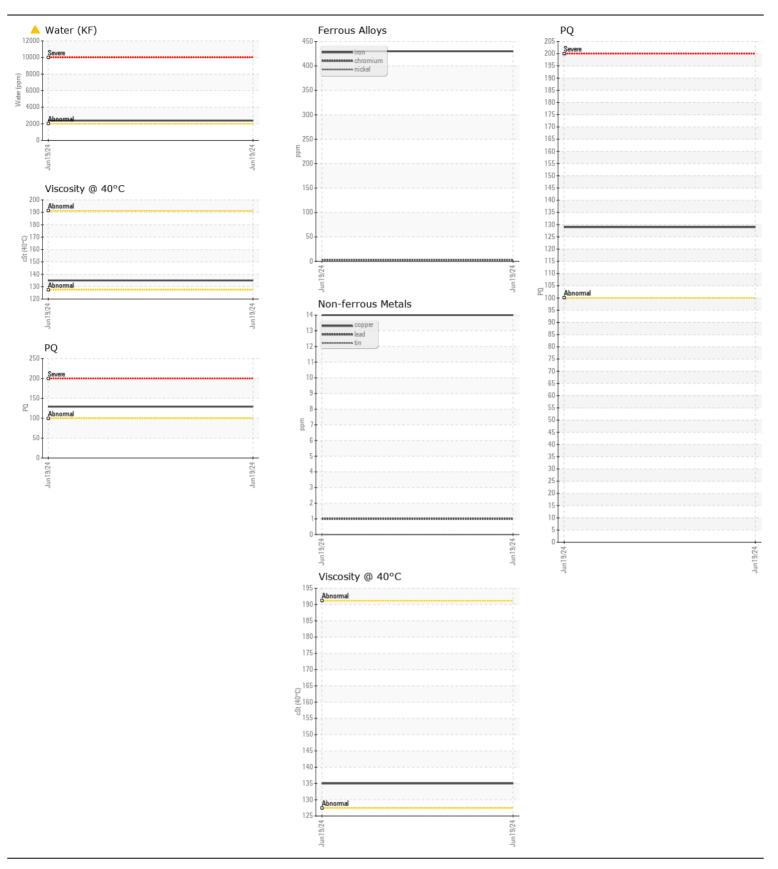
Lull 1044C 3600020 (S/N 0160038802)

Front Differential

JOHN DEERE GL-5 80W90 (11 QTS)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0217221		
Sample Date		Client Info		19 Jun 2024		
Machine Age	hrs	Client Info		4153		
Oil Age	hrs	Client Info		1000		
Filter Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Filter Changed		Client Info		N/A		
Sample Status				ABNORMAL		
DO		AOTM D0404		400		
			500			
-						
			>10			
			> 25			
			>10			
			NONE			
		• • • • • • • • • • • • • • • • • • •				
Silicon	ppm	ASTM D5185m	>75	39		
Potassium	ppm	ASTM D5185m	>20	4		
Water	%	ASTM D6304	>.2	△ 0.238		
ppm Water	ppm	ASTM D6304	>2000	<u> </u>		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar		NORML	NORML		
Emulsified Water	scalar	*Visual	>.2	0.2%		
Sodium	mag	ASTM D5185m		3		
Sodium	ppm	ASTM D5185m		3 0		
Boron	ppm	ASTM D5185m		0		
Boron Barium	ppm ppm	ASTM D5185m ASTM D5185m		0 0		
Boron Barium Molybdenum	ppm ppm	ASTM D5185m		0 0 28		
Boron Barium Molybdenum Manganese	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m		0 0	 	
Boron Barium Molybdenum	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		0 0 28 4	 	
Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		0 0 28 4 7	 	
Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		0 0 28 4 7 314	 	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		0 0 28 4 7 314 308	 	
	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 ppm Water Silt Debris Sand/Dirt Appearance Odor	Sample Number Sample Date Machine Age hrs Oil Age hrs Filter Age hrs Oil Changed Filter Changed Sample Status PQ 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 Water % ppm Water ppm Silt scalar Sand/Dirt scalar Appearance scalar Odor scalar	Sample Number Sample Date Client Info Machine Age hrs Client Info Oil Age hrs Client Info Client Info Oil Age hrs Client Info Sample Status PQ ASTM D8184 Iron ppm ASTM D5185m Chromium ppm ASTM D5185m Titanium ppm ASTM D5185m Aluminum ppm ASTM D5185m Aluminum ppm ASTM D5185m Copper ppm ASTM D5185m Copper ppm ASTM D5185m Vanadium ppm ASTM D6304 ppm Water % ASTM D6304 Silt scalar *Visual Sand/Dirt scalar *Visual	Sample Number Sample Date Client Info Machine Age hrs Client Info Oil Age hrs Client Info Client Info Oil Age hrs Client Info Oil Changed Filter Age hrs Client Info Client Info Client Info Filter Changed Sample Status PQ ASTM D8184 Iron ppm ASTM D5185m Silver ppm ASTM D5185m Silver ppm ASTM D5185m Aluminum ppm ASTM D5185m Aluminum ppm ASTM D5185m Aluminum ppm ASTM D5185m ASTM D5185m Aluminum ppm ASTM D5185m ASTM D5185m Aluminum ppm ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m Vanadium ppm ASTM D5185m Vanadium ppm ASTM D5185m Visual NONE Silicon ppm ASTM D5185m Visual NONE Silicon ppm ASTM D5185m Visual NONE Silicon ppm ASTM D5185m ASTM D5185m Vone Vanadium ppm ASTM D5185m Visual NONE Silicon ppm ASTM D5185m ASTM D5185m ASTM D5185m Vone Valer Yellow Metal Scalar *Visual NONE Silicon Silt Scalar *Visual NONE ASTM D6304 >2000 Silt Scalar *Visual NONE Sand/Dirt Scalar *Visual NONE Appearance Scalar *Visual NONE NORML Appearance Scalar *Visual NONE NORML	Sample Number Client Info JR0217221 Sample Date Client Info 19 Jun 2024 Machine Age hrs Client Info 4153 Oil Age hrs Client Info 1000 Filter Age hrs Client Info 0 Oil Changed Client Info Changed Filter Changed Client Info N/A Sample Status ASTM D8184 129 Iron ppm ASTM D5185m >500 430 Chromium ppm ASTM D5185m >10 2 Nickel ppm ASTM D5185m >10 1 Titanium ppm ASTM D5185m >25 6 Lead ppm ASTM D5185m >25 6 Lead ppm ASTM D5185m >25 1 Copper ppm ASTM D5185m >10 14 Tin ppm ASTM D5185m >10 14 Tin ppm ASTM D5185m >10	Sample Number Client Info JR0217221 Sample Date Client Info 19 Jun 2024 Machine Age hrs Client Info 4153 Oil Age hrs Client Info 1000 Filter Age hrs Client Info Changed Oil Changed Client Info N/A Filter Changed Sample Status Client Info N/A Sample Status ABNORMAL PQ ASTM D8184 129 Iron ppm ASTM D5185m >500 430 PQ ASTM D5185m >500 430 Nickel ppm ASTM D5185m >10 1 Nickel ppm ASTM D5185m >10 1 Silver ppm ASTM D5185m >25 6 Aluminum ppm ASTM D5185m >25 <t< th=""></t<>

Submitted By: Jacob Harvey





Certificate L2367

Laboratory Sample No.

Lab Number : 06217060

: JR0217221 Unique Number : 11089924

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

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

: 21 Jun 2024 : 24 Jun 2024 : 24 Jun 2024 - Sean Felton

JRE - CASTLE HAYNE 113 CROWATAN ROAD CASTLE HAYNE, NC US 28429-5819 Contact: Jacob Harvey

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

jacob.harvey@jamesriverequipment.com T:

* - 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)

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