WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

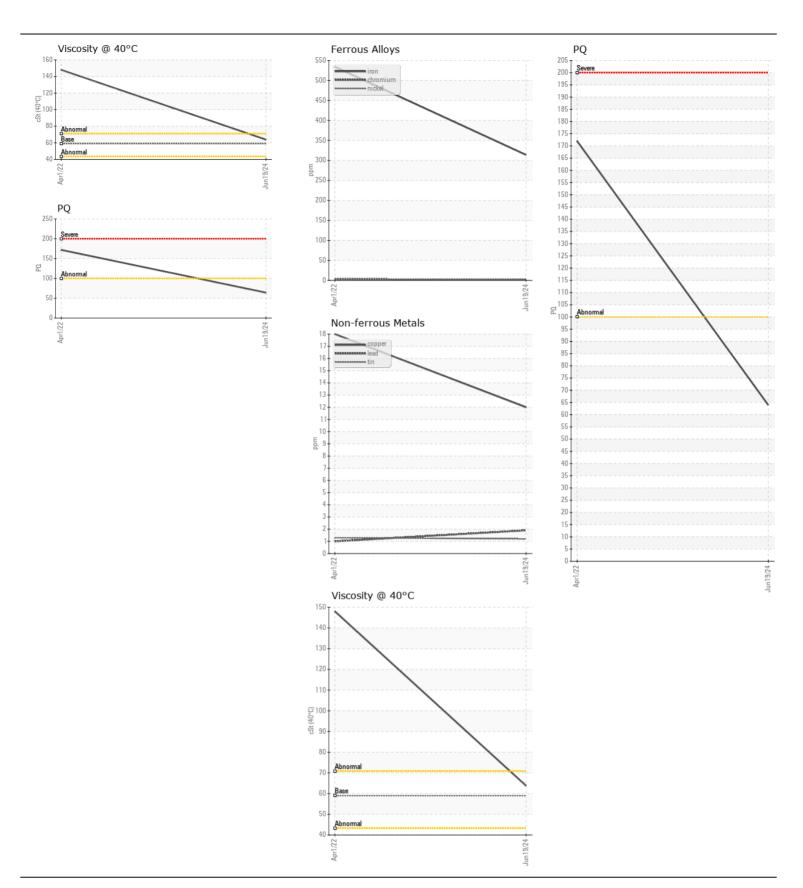


Machine Id JOHN DEERE 544K 1DW544KPPBD637550

Rear Axle

JOHN DEERE HY-GARD HYDRAULIC/RANSMISSION (28 QTS)

AULIC/RAN		·		-		
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0218623	JR0122728	
Sample Date		Client Info		19 Jun 2024	01 Apr 2022	
Machine Age	hrs	Client Info		11823	9803	
Oil Age	hrs	Client Info		2020	9803	
Filter Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Not Changd	Changed	
Filter Changed		Client Info		Not Changd	None	
Sample Status				NORMAL	NORMAL	
PQ		ASTM D8184		64	172	
	maa		>750			
Silver						
Aluminum			>21	4	7	
Lead				2	1	
Copper	ppm			12	18	
Tin		ASTM D5185m	>10	1	1	
Vanadium	ppm	ASTM D5185m		<1	<1	
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Ciliaan	nnm	ACTM DE10Em	. 01	07	<i>1</i> 1	
	ppm					
	ooolor					
	ppm		>51	0	1	
	ppm					
	ppm					
	ppm					
ū						
	ppm					
	ppm	ASTM D5185m		1016	850	
Phosphorus					40	
Zinc Sulfur	ppm	ASTM D5185m ASTM D5185m		1178 5256	1059 9783	
	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 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 Silt scalar Debris scalar Sand/Dirt scalar Appearance scalar Codor scalar Emulsified Water scalar Sodium ppm Boron ppm Manganese ppm Magnesium ppm Magnesium ppm Magnesium ppm Massium ppm Magnesium ppm	Sample Number Sample Date Client Info Client Info Machine Age Nrs Client Info Oil Age Nrs Client Info Client Info Oil Age Nrs Client Info Sample Status PQ ASTM D8184 Iron ppm ASTM D5185m Chromium ppm ASTM D5185m Nickel ppm ASTM D5185m Titanium ppm ASTM D5185m Aluminum ppm ASTM D5185m Lead ppm ASTM D5185m Copper ppm ASTM D5185m Vanadium ppm ASTM D5185m Visual Scalar *Visual Silicon ppm ASTM D5185m Vacalar *Visual Sand/Dirt scalar *Visual Appearance Scalar *Visual Sand/Dirt Scalar *ASTM D5185m Boron ppm ASTM D5185m ASTM D5185m Manganese ppm ASTM D5185m Manganese ppm ASTM D5185m Magnesium ppm ASTM D5185m	Sample Number Sample Date Sample Date Client Info Machine Age hrs Client Info Oil Age hrs Client Info Filter Age hrs Client Info Oil Changed Filter Changed Client Info Sample Status PQ ASTM D8184 Iron Ppm ASTM D5185m Plant Nickel Ppm ASTM D5185m Silver Ppm ASTM D5185m Aluminum Ppm ASTM D5185m ASTM D5185m Aluminum Ppm ASTM D5185m A	Sample Number Client Info JR0218623 Sample Date Client Info 19 Jun 2024 Machine Age hrs Client Info 11823 Oil Age hrs Client Info 2020 Filter Age hrs Client Info Not Changd Oil Changed Client Info Not Changd Filter Changed Client Info Not Changd Sample Status NORMAL PQ ASTM D8184 64 Iron ppm ASTM D5185m >750 314 Chromium ppm ASTM D5185m >11 2 Nickel ppm ASTM D5185m >10 2 Titanium ppm ASTM D5185m >21 4 Lead ppm ASTM D5185m >21 4 Lead ppm ASTM D5185m >49 2 Copper ppm ASTM D5185m >10 1 Vanadium ppm ASTM D5185m >10 1 Vanadium	Sample Number Client Info JR0218623 JR0122728 Sample Date Client Info 19 Jun 2024 01 Apr 2022 Machine Age hrs Client Info 11823 9803 Oil Age hrs Client Info 2020 9803 Filter Age hrs Client Info Not Changd Client Info Not Changd None Filter Changed Client Info Not Changd Sample Status Not Changd None NORMAL NORMAL None PQ ASTM D8184 64 172 Iron ppm ASTM D8185m >750 314 534 Chromium ppm ASTM D8185m >11 2 3 Nickel ppm ASTM D8185m >10 2 3 Titanium ppm ASTM D8185m >21 4 7 Lead ppm ASTM D8185m >21 4 7 Lead ppm ASTM D8185m >10





Certificate L2367

Laboratory Sample No.

: JR0218623 Lab Number : 06218562 Unique Number : 11096759

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 24 Jun 2024 **Tested** : 25 Jun 2024

Diagnosed : 25 Jun 2024 - Wes Davis Test Package : CONST (Additional Tests: PQ)

JRE - MANASSAS PARK 9107 OWENS DRIVE MANASSAS PARK, VA US 20111

Contact: TECHNICIAN ACCOUNT catherine.anastasio@wearcheck.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.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (703)631-4715

T: