

WEAR CONTAMINATION FLUID CONDITION **ABNORMAL ABNORMAL NORMAL**



Machine Id **JOHN DEERE 544K 1DW544KPCEE661679**

Gearbox

Test	UOM	Method Client Info	Limit/Abn	Current	History1	History2
•						
·	hrs			-		
-	hrs			0		
Oil Changed		Client Info		N/A		
Filter Changed		Client Info		N/A		
Sample Status				ABNORMAL		
PO		ASTM D8184		107		
	nnm		>200			
Titanium		ASTM D5185m				
Silver		ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>25	4		
Lead	ppm	ASTM D5185m	>50	<1		
Copper	ppm	ASTM D5185m	>200	2		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m		0		
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Silicon	ppm	ASTM D5185m	>50	<u> </u>		
Potassium	ppm	ASTM D5185m	>20	2		
Water		WC Method	>0.2	NEG		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	LIGHT		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML			
Emulsified Water	scalar	*Visual	>0.2	NEG		
Sodium	ppm	ASTM D5185m		56		
Boron	ppm	ASTM D5185m		11		
Barium	ppm	ASTM D5185m		2		
Molybdenum	ppm	ASTM D5185m		23		
Manganese	ppm	ASTM D5185m		3		
Magnesium	ppm	ASTM D5185m		100		
Calcium	ppm	ASTM D5185m		2881		
Phosphorus	ppm	ASTM D5185m		929		
Zinc	ppm	ASTM D5185m		1047		
Sulfur	ppm	ASTM D5185m		3762		
	Filter Changed Sample Status PQ Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Yellow Metal Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	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 Yellow Metal scalar Silt scalar Debris scalar Sand/Dirt scalar Sand/Dirt scalar Appearance scalar Odor scalar Emulsified Water scalar Sodium ppm Molybdenum ppm Manganese ppm Magnesium ppm Calcium ppm Calcium ppm Calcium ppm Phosphorus ppm	Sample Date Machine Age Nrs Client Info Oil Age Nrs Client Info Client Info Filter Age Nrs Client Info Sample Status PQ ASTM D8184 Iron ppm ASTM D5185m Chromium ppm ASTM D5185m Titanium ppm ASTM D5185m Titanium ppm ASTM D5185m Aluminum ppm ASTM D5185m Lead ppm ASTM D5185m Copper ppm ASTM D5185m Vanadium ppm ASTM D5185m Valle Valle Visual Silicon ppm ASTM D5185m Vater VC Method Silt Scalar Visual Sand/Dirt Scalar Appearance Scalar Visual Sand/Dirt Scalar Appearance Scalar Scalar Visual Scalar Appearance Scalar Scalar Appearance Scalar Scalar Appearance ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	Sample Date Machine Age Mrs Client Info Oil Age Mrs Client Info Filter Age Oil Changed Filter Changed Sample Status PQ ASTM D8184 Iron Chromium ASTM D5185m Silver Aluminum ASTM D5185m Aluminum ASTM D5185m Barium ASTM D5185m ASTM D5185m Barium ASTM D5185m AS	Sample Date Client Info 10 Apr 2024 Machine Age hrs Client Info 10581 Oil Age hrs Client Info 0 Filter Age hrs Client Info 0 Oil Changed Client Info N/A Filter Changed Client Info N/A Sample Status ABNORMAL PQ ASTM D8184 107 Iron ppm ASTM D5185m >200 ▲ 358 Chromium ppm ASTM D5185m >200 ▲ 358 Chromium ppm ASTM D5185m >10 0 Nickel ppm ASTM D5185m >10 0 Silver ppm ASTM D5185m >0 -1 Aluminum ppm ASTM D5185m >0 -1 Lead ppm ASTM D5185m >0 -1 Copper ppm ASTM D5185m >0 -1 Vanadium ppm ASTM D5185m >0 -1	Sample Date Client Info 10 Apr 2024 Machine Age hrs Client Info 0 Oil Age hrs Client Info 0 Filter Age hrs Client Info N/A Oil Changed Client Info N/A Filter Changed Client Info N/A Sample Status ABNORMAL PQ ASTM D8184 107 Iron ppm ASTM D5185m >200 358 Chromium ppm ASTM D5185m >10 0 Nickel ppm ASTM D5185m >10 <1





Certificate L2367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0205057 Lab Number : 06146155

Received **Tested** Unique Number: 10976233

Diagnosed Test Package : CONST (Additional Tests: PQ)

: 12 Apr 2024 : 15 Apr 2024 - Don Baldridge

: 11 Apr 2024

411 SOUTH REGIONAL ROAD GREENSBORO, NC US 27409

Contact: NICK GALLAHER NGALLAHER@JRENET.COM T: (336)668-2762

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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: (336)665-9556 Contact/Location: NICK GALLAHER - JAMGRE