WEAR CONTAMINATION **FLUID CONDITION**

NORMAL NORMAL NORMAL

Machine Id

JOHN DEERE 331G 1T0331GMKPF449770

Left Final Drive

GEAR OIL IS 80W90 (-

Pecammen All next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL LS 80W90. Please confirm. Continue Continu	GEAR OIL LS 80W90 (GAL)							
Sample Date Client Info Changed Changed Changed Changed Changed Changed Changed Changed	RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Date Client Info 17 May 2024	specified, however, a fluid match indicates that this fluid is (GENERIC)	Sample Number		Client Info		JR0215663		
Oil Age hrs Client Info S39		Sample Date		Client Info		17 May 2024		
Filter Age		Machine Age	hrs	Client Info		539		
Cilchanged Cilent Info Changed Filter Changed Cilent Info Sample Status NORMAL Component wear rates are normal. PQ		Oil Age	hrs	Client Info		539		
Filter Changed Sample Status		Filter Age	hrs	Client Info		0		
NORMAL N		Oil Changed		Client Info		Changed		
PQ		Filter Changed		Client Info		N/A		
Iron		Sample Status				NORMAL		
Iron	WEAD							
Chromium ppm ASTM D5(85m >9 0	WEAR	PQ						
Nickel	All component wear rates are normal.	Iron	ppm					
Titanium			ppm					
Silver		Nickel	ppm	ASTM D5185m	>10			
Altuminum ppm ASTM D5185m >40 0								
Lead								
Copper		Aluminum	ppm			0		
Tin			ppm					
Vanadium ppm ASTM D5185m Visual NONE NO		Copper	ppm			0		
White Metal Scalar Visual NONE NONE Visual NONE NONE Visual Visual NORML Visual NORML Visual NORML Visual Visual NORML Visual Visual NORML Visual Visu			ppm		>10			
Yellow Metal Scalar *Visual NONE NON		Vanadium	ppm					
Silicon ppm ASTM D5185m >75 <1 There is no indication of any contamination in the oil. Potassium ppm ASTM D5185m >20 0 Water WC Method >0.075 NEG Water WC Method >0.075 NEG Debris scalar *Visual NONE NONE NONE Debris scalar *Visual NONE NONE NONE Sand/Dirt scalar *Visual NORML			scalar	*Visual				
Potassium ppm ASTM D5185m >20 0		Yellow Metal	scalar	*Visual	NONE	NONE		
Potassium ppm ASTM D5185m >20 0	CONTAMINATION	Silicon	maa	ASTM D5185m	>75	<1		
Water WC Method >0.075 NEG Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE Appearance scalar *Visual NORML NORM								
Silt scalar *Visual NONE NORE NONE NORE	i nere is no indication of any contamination in the oil.		1-1-					
Debris Scalar *Visual NONE NONE Sand/Dirt Scalar *Visual NONE NORML NO			scalar					
Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NOR		Debris						
Odor scalar *Visual NORML NORML Fmulsified Water scalar *Visual >0.075 NEG		Sand/Dirt	scalar	*Visual				
Emulsified Water scalar *Visual >0.075 NEG		Appearance	scalar	*Visual	NORML	NORML		
Sodium ppm ASTM D5185m >51 0		Odor	scalar	*Visual	NORML	NORML		
Boron ppm ASTM D5185m 150 0 Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 10 <1 Phosphorus ppm ASTM D5185m 2000 347 Zinc ppm ASTM D5185m 50 2 Sulfur ppm ASTM D5185m 20000 22159 Visc @ 40°C cSt ASTM D445 140 141		Emulsified Water	scalar	*Visual	>0.075	NEG		
Boron ppm ASTM D5185m 150 0 Barium ppm ASTM D5185m 0 Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 10 <1 Phosphorus ppm ASTM D5185m 2000 347 Zinc ppm ASTM D5185m 50 2 Sulfur ppm ASTM D5185m 20000 22159 Visc @ 40°C cSt ASTM D445 140 141	ELUID CONDITION							
Barium ppm ASTM D5185m Q	FLUID CONDITION							
Molybdenum ppm ASTM D5185m <1	The condition of the oil is acceptable for the time in service.				150			
Manganese ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 10 <1								
Magnesium ppm ASTM D5185m 10 <1		-						
Calcium ppm ASTM D5185m 70 27 Phosphorus ppm ASTM D5185m 2000 347 Zinc ppm ASTM D5185m 50 2 Sulfur ppm ASTM D5185m 20000 22159 Visc @ 40°C cSt ASTM D445 140 141		_			10			
Phosphorus ppm ASTM D5185m 2000 347 Zinc ppm ASTM D5185m 50 2 Sulfur ppm ASTM D5185m 20000 22159 Visc @ 40°C cSt ASTM D445 140 141		-						
Zinc ppm ASTM D5185m 50 2 Sulfur ppm ASTM D5185m 20000 22159 Visc @ 40°C cSt ASTM D445 140 141								
Sulfur ppm ASTM D5185m 20000 22159 Visc @ 40°C cSt ASTM D445 140 141								
Visc @ 40°C cSt ASTM D445 140 141								
	Report Id: JAMCHA [WUSCAR] 06186442 (Generated: 05/22/2024 17:59:29) Rev: 1	VISC @ 40 C	COL	A3 11VI D443	140		omitted By: I	Ray Benson





Certificate L2367

Laboratory Sample No.

Lab Number : 06186442 Unique Number : 11043194

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : JR0215663 : 21 May 2024 **Tested** : 22 May 2024

: 22 May 2024 - Wes Davis Diagnosed Test Package : CONST (Additional Tests: PQ)

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

JRE - CHARLOTTE