WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL NORMAL

JOHN DEERE 1DW748LBPPL718824

Component Transmission (Auto)

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.	{not provided} (GAL)							
Sample Date Client Info Sample Sample Date Client Info Sample	RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Date Client Into 28 Jan 2024		Sample Number		Client Info		JR0200748		
Oil Age hrs Client Info 532		Sample Date		Client Info		28 Jan 2024		
Filter Age		Machine Age	hrs	Client Info		532		
Not Changed Cilent Info		Oil Age	hrs	Client Info		532		
Filter Changed Client Info NoRMAL Component wear rates are normal PQ		Filter Age	hrs	Client Info		0		
No		-		Client Info		Not Changd		
PQ				Client Info		-		
Iron		Sample Status				NORMAL		
Chromium ppm ASTM D5185m >5 <1	WEAR	PQ		ASTM D8184	>50	17		
Chromium ppm ASTM D5185m 55 0 Titanium ppm ASTM D5185m 55 0 Titanium ppm ASTM D5185m 55 0 Silver ppm ASTM D5185m 55 0 Aluminum ppm ASTM D5185m 55 0 Aluminum ppm ASTM D5185m 55 0 Aluminum ppm ASTM D5185m 50 0 Aluminum ppm ASTM D5185m 50 0 Copper ppm ASTM D5185m 50 0 Tin ppm ASTM D5185m 50 0 Vanadium ppm ASTM D5185m 50 0 White Metal scalar Visual NONE NONE White Metal scalar Visual NONE NONE Silt scalar Visual NONE NONE Appearance Scalar Visual NONE NONE Appearance Codor scalar Visual NONE NONE Appearance Codor scalar Visual NORML NORML Appearance Codor Scalar Visua		Iron	ppm	ASTM D5185m	>160	8		
Titanium ppm ASTM D5185m 5 0		Chromium	ppm	ASTM D5185m	>5	<1		
Silver		Nickel	ppm	ASTM D5185m	>5	0		
Aluminum		Titanium	ppm	ASTM D5185m		0		
Lead		Silver	ppm	ASTM D5185m	>5	0		
Copper		Aluminum	ppm	ASTM D5185m	>50	2		
Tin		Lead	ppm					
Vanadium ppm ASTM D5185m 0 White Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE NON			ppm					
White Metal Scalar Visual NONE NONE Visual NONE NONE Visual NONE NONE Visual NONE Visual NONE NONE Visual NORML Visual Visual NORML Visual NORML Visual NORML Visual NORML Visual NORML Visual Visual Visual NORML Visual Visual Visual Visual Visual NORML Visual NORML Visual Visual Visual NORML Visual					>10			
Yellow Metal Scalar *Visual NONE NONE								
Silicon ppm ASTM D5185m >20 3								
Potassium ppm ASTM D5185m >20 3		Yellow Metal	scalar	^Visual	NONE	NONE		
Water WC Method >0.1 NEG Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE NONE Sand/Dirt scalar *Visual NONE NONE NONE Appearance scalar *Visual NORML	CONTAMINATION	Silicon	ppm	ASTM D5185m	>20	3		
Water WC Method >0.1 NEG Silt scalar "Visual NONE NONE Debris scalar "Visual NONE NONE Sand/Dirt scalar "Visual NONE NONE NONE Appearance scalar "Visual NORML	There is no indication of any contamination in the fluid.	Potassium	ppm	ASTM D5185m	>20	3		
Debris Scalar *Visual NONE NONE Sand/Dirt Scalar *Visual NONE NONE Sand/Dirt Scalar *Visual NONE NORML		Water		WC Method	>0.1	NEG		
Sand/Dirt Scalar *Visual NONE NONE NONE Appearance Scalar *Visual NORML NORM		Silt	scalar	*Visual	NONE	NONE		
Appearance Scalar Visual NORML NORML		Debris	scalar	*Visual	NONE	NONE		
Odor Scalar *Visual NORML NORML Fmulsified Water Scalar *Visual >0.1 NEG		Sand/Dirt	scalar	*Visual				
Emulsified Water scalar *Visual >0.1 NEG								
Sodium ppm ASTM D5185m 4			scalar					
Boron ppm ASTM D5185m 1 Molybdenum ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 0 Calcium ppm ASTM D5185m 101 Calcium ppm ASTM D5185m 3368 Phosphorus ppm ASTM D5185m 1106 Zinc ppm ASTM D5185m 1284 Sulfur ppm ASTM D5185m 3973 Visc @ 40°C cSt ASTM D445 48.5		Emulsified Water	scalar	*Visual	>0.1	NEG		
Barium ppm ASTM D5185m 1 Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 101 Calcium ppm ASTM D5185m 3368 Phosphorus ppm ASTM D5185m 1106 Zinc ppm ASTM D5185m 1284 Sulfur ppm ASTM D5185m 3973 Visc @ 40°C CSt ASTM D445 48.5	FLUID CONDITION	Sodium	ppm	ASTM D5185m		4		
Barium ppm ASTM D5185m 1 Molybdenum ppm ASTM D5185m 0 Manganese ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 101 Calcium ppm ASTM D5185m 3368 Phosphorus ppm ASTM D5185m 1106 Zinc ppm ASTM D5185m 1284 Sulfur ppm ASTM D5185m 3973 Visc @ 40°C cSt ASTM D445 48.5	The condition of the fluid is acceptable for the time in service.	Boron	ppm	ASTM D5185m		<1		
Manganese ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 101 Calcium ppm ASTM D5185m 3368 Phosphorus ppm ASTM D5185m 1106 Zinc ppm ASTM D5185m 1284 Sulfur ppm ASTM D5185m 3973 Visc @ 40°C cSt ASTM D445 48.5		Barium	ppm	ASTM D5185m		1		
Magnesium ppm ASTM D5185m 101 Calcium ppm ASTM D5185m 3368 Phosphorus ppm ASTM D5185m 1106 Zinc ppm ASTM D5185m 1284 Sulfur ppm ASTM D5185m 3973 Visc @ 40°C cSt ASTM D445 48.5		Molybdenum	ppm	ASTM D5185m		0		
Calcium ppm ASTM D5185m 3368 Phosphorus ppm ASTM D5185m 1106 Zinc ppm ASTM D5185m 1284 Sulfur ppm ASTM D5185m 3973 Visc @ 40°C cSt ASTM D445 48.5		Manganese	ppm	ASTM D5185m		0		
Phosphorus ppm ASTM D5185m 1106 Zinc ppm ASTM D5185m 1284 Sulfur ppm ASTM D5185m 3973 Visc @ 40°C cSt ASTM D445 48.5		Magnesium	ppm	ASTM D5185m		101		
Zinc ppm ASTM D5185m 1284 Sulfur ppm ASTM D5185m 3973 Visc @ 40°C cSt ASTM D445 48.5			ppm					
Sulfur ppm ASTM D5185m 3973 Visc @ 40°C cSt ASTM D445 48.5			ppm					
Visc @ 40°C			ppm					
	Report Id: AMEWICKS IWI ISCARI 06075031 (Congreted: 02/03/2024 07:34:18) Ray: 1	Visc @ 40°C	cSt	ASTM D445				







Laboratory Sample No. Lab Number

: JR0200748 : 06075031 Unique Number : 10857122

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 30 Jan 2024 Diagnosed : 01 Feb 2024 Diagnostician : Sean Felton

Test Package : CONST (Additional Tests: PQ) 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) **AMERICAN MATERIALS**

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Contact: FRED THATALE

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