WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

Machine Id

JOHN DEERE 310SL 1T0310SLAKF356390

Rear Differential

JOHN DEFRE HY-GARD HYD/TRANS (--- GAL)

JOHN DEERE HY-GARD HYD/TRANS (GAL)							
RECOMMENDATION Resample at the next service interval to monitor.	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		JR0207796		
	Sample Date		Client Info		03 May 2024		
	Machine Age	hrs	Client Info		1528		
	Oil Age	hrs	Client Info		1528		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		N/A		
	Sample Status				NORMAL		
WEAD	DO		ASTM D8184		05		
WEAR	PQ	10 10 100		. F00	85		
All component wear rates are normal.	Iron	ppm	ASTM D5185m		269		
	Chromium Nickel	ppm	ASTM D5185m		1		
		ppm	ASTM D5185m ASTM D5185m	>10	0		
	Titanium Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	> 25	<1		
	Lead	ppm	ASTM D5185m		<1		
	Copper	ppm	ASTM D5185m		24		
	Tin	ppm	ASTM D5185m		<1		
	Vanadium	ppm	ASTM D5185m	>10	0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>75	13		
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	0		
	Water		WC Method	>.2	NEG		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>.2	NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185m		7		
The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m	6	8		
	Barium	ppm	ASTM D5185m	0	2		
	Molybdenum	ppm	ASTM D5185m	0	<1		
	Manganese	ppm	ASTM D5185m		5		
	Magnesium	ppm	ASTM D5185m	145	104		
	Calcium	ppm	ASTM D5185m	3570	3694		
	Phosphorus	ppm	ASTM D5185m	1290	1120		
	Zinc	ppm	ASTM D5185m	1640	1218		
	Sulfur	ppm	ASTM D5185m		4169		
	Visc @ 40°C	cSt	ASTM D445	57.0	50.3		







Certificate L2367

Report Id: VANASH [WUSCAR] 06174758 (Generated: 05/10/2024 16:01:16) Rev: 1

Laboratory Sample No.

Lab Number : 06174758 Unique Number : 11020811

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0207796 Received

Tested Diagnosed

: 09 May 2024 : 10 May 2024

: 10 May 2024 - Wes Davis

JRE - ASHEVILLE 101 BRUCE DRIVE ASHEVILLE, NC US 28806

Test Package : CONST (Additional Tests: PQ) Contact: Randy Warren To discuss this sample report, contact Customer Service at 1-800-237-1369. randy.warren@jamesriverequipment.com

* - 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) T: (528)667-0176 F: (828)667-4865