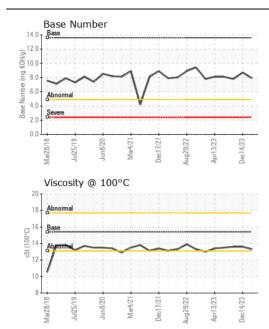
WEAR CONTAMINATION FLUID CONDITION

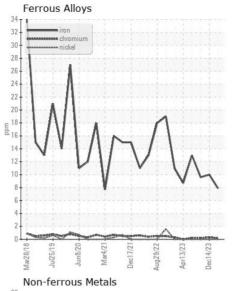
NORMAL NORMAL NORMAL

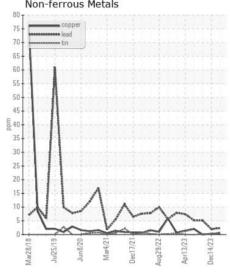
JOHN DEERE 310SL 1T0310SLCHF318883

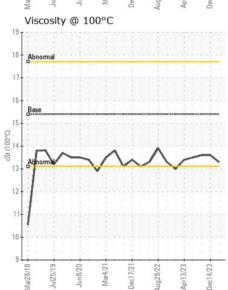
Diesel Engine

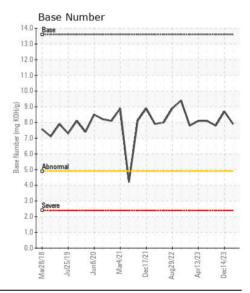
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		JR0199992	JR0180604	JR0179178
	Sample Date		Client Info		21 Feb 2024	14 Dec 2023	03 Oct 2023
	Machine Age	hrs	Client Info		12450	11961	11508
	Oil Age	hrs	Client Info		0	0	0
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>51	8	10	10
	Chromium	ppm	ASTM D5185m		<1	<1	<1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	0	0
	Titanium	ppm	ASTM D5185m	70	0	<1	0
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m		3	5	4
	Lead	ppm	ASTM D5185m		2	2	5
	Copper	ppm	ASTM D5185m		- <1	- <1	0
	Tin	ppm	ASTM D5185m		<1	<1	<1
	Vanadium	ppm	ASTM D5185m		<1	0	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>22	6	7	8
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		0	1.0	<1
	Fuel		WC Method	>2.1	<1.0	<1.0	<1.0
	Water		WC Method	>0.21	NEG	NEG	NEG
	Glycol Soot %	%	*ASTM D7844	. 0	NEG 0.1	NEG 0.1	NEG 0.1
	Nitration	Abs/cm	*ASTM D7624	>20	8.9	8.7	8.7
	Sulfation	Abs/.1mm	*ASTM D7024		22.2	22.0	21.5
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water		*Visual	>0.21	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>31	<1	1	0
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m		215	259	247
	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		233	265	268
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		764	888	913
	Calcium	ppm	ASTM D5185m		1324	1525	1504
	Phosphorus	ppm	ASTM D5185m		852	991	982
	Zinc	ppm	ASTM D5185m		1016	1179	1197
	Sulfur	ppm	ASTM D5185m	0.5	2909	3468	3384
	Oxidation	Abs/.1mm	*ASTM D7414		17.5	17.3	16.8
	Base Number (BN)	0 0			7.9	8.7	7.8
	Visc @ 100°C	cSt	ASTM D445	15.4	13.3	13.6	13.6













Certificate L2367

Laboratory Sample No.

Lab Number : 06097402

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0199992

Unique Number: 10890255

Received **Tested** Diagnosed

: 22 Feb 2024 : 23 Feb 2024

: 23 Feb 2024 - Wes Davis

JRE - ASHLAND 11047 LEADBETTER RD ASHLAND, VA US 23005

Contact: DAVID ZIEG dzieg@jamesriverequipment.com

Test Package : CONST (Additional Tests: TBN) 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: (804)798-6001 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (804)798-0292