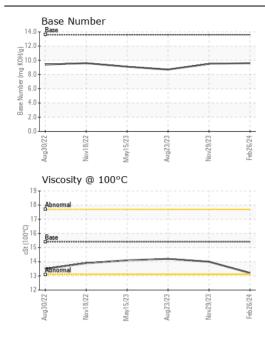
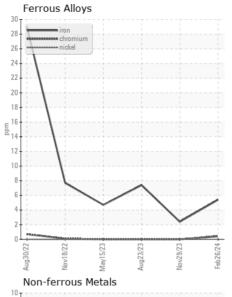
WEAR CONTAMINATION FLUID CONDITION **NORMAL NORMAL NORMAL**

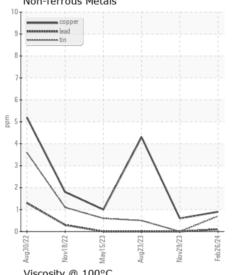
JOHN DEERE 345G 1FF345GXCMF020838

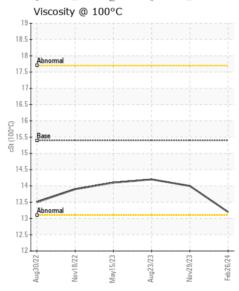
Component Diesel Engine

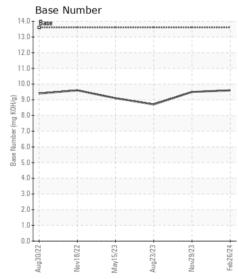
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		JR0199105	JR0192388	JR018380
	Sample Date		Client Info		26 Feb 2024	29 Nov 2023	23 Aug 202
	Machine Age	hrs	Client Info		2935	2406	1964
	Oil Age	hrs	Client Info		529	442	452
	Filter Age	hrs	Client Info		529	0	452
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
VEAR	Iron	ppm	ASTM D5185m	>100	5	2	7
	Chromium	ppm	ASTM D5185m	>20	<1	0	0
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		<1	0	0
	Titanium	ppm	ASTM D5185m		<1	0	<1
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m	>20	3	2	3
	Lead	ppm	ASTM D5185m		<1	0	0
	Copper	ppm	ASTM D5185m		<1	<1	4
	Tin	ppm	ASTM D5185m		<1	0	<1
	Vanadium	ppm	ASTM D5185m		<1	<1	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	8	6	6
OONTAMINATION	Potassium	ppm	ASTM D5185m		3	0	2
There is no indication of any contamination in the oil.	Fuel	ррпп	WC Method		<1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method	70.2	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	\3	0.1	0.1	0.1
	Nitration	Abs/cm	*ASTM D7624	>20	7.2	7.2	7.3
	Sulfation	Abs/.1mm	*ASTM D7415		20.7	20.3	20.1
	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	>0.2	NEG	NEG	NEG
LUID CONDITION	Codium		ACTM DE10Em			0	
FLUID CONDITION	Sodium	ppm	ASTM D5185m		100	2	075
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		199	256 0	275
	Barium	ppm	ASTM D5185m		1		0
	Monganosa	ppm	ASTM D5185m		205	230	255
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		692	775	839
	Calcium	ppm	ASTM D5185m ASTM D5185m		1410	1511	1523
	Phosphorus	ppm			915	917	908
	Zinc	ppm	ASTM D5185m		1009	1038	1104
	Sulfur	ppm Abo/1mm	ASTM D5185m	. 05	3128	2877	3696
	Oxidation	Abs/.1mm	*ASTM D7414 ASTM D2896		15.7 9.6	14.9 9.5	14.7













Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06102287

: JR0199105

Received **Tested** Unique Number: 10900517

: 28 Feb 2024 Diagnosed

: 27 Feb 2024

: 28 Feb 2024 - Wes Davis

MANASSAS PARK, VA US 20111 Contact: DON VEST dvest@jamesriverequipment.com

T: (703)631-8500 F: (703)631-4715

JRE - MANASSAS PARK

9107 OWENS DRIVE

Certificate L2367

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.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)