

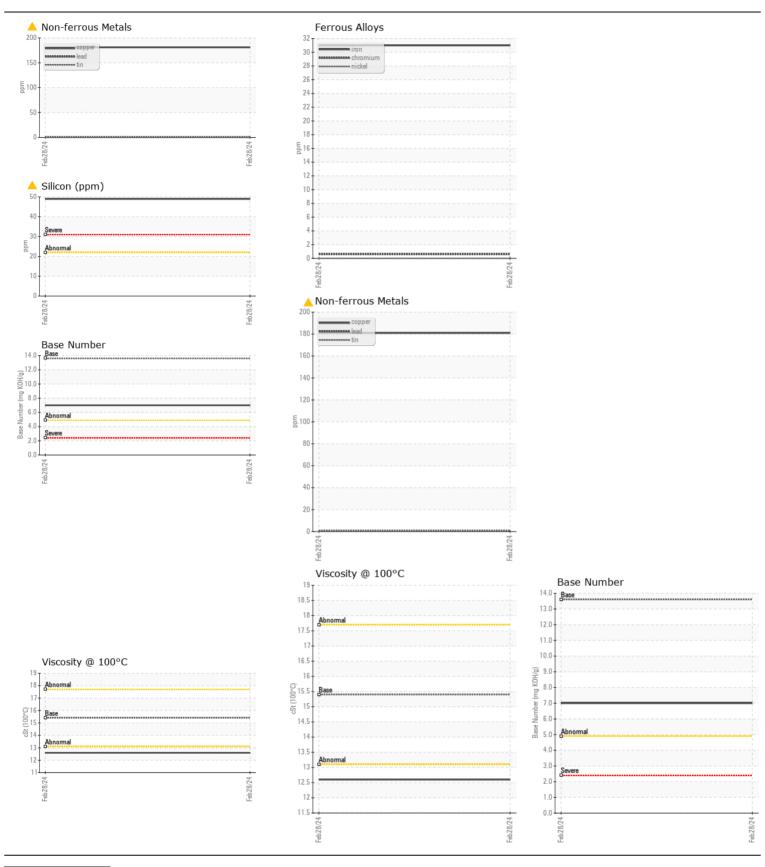
WEAR CONTAMINATION FLUID CONDITION **ABNORMAL ABNORMAL NORMAL**

[SCRAP HUNTERS]

JOHN DEERE 333G 1T0333GMKPF443852

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.	Sample Number		Client Info		JR0206548		
	Sample Date		Client Info		28 Feb 2024		
	Machine Age	hrs	Client Info		436		
	Oil Age	hrs	Client Info		436		
	Filter Age	hrs	Client Info		436		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				ABNORMAL		
VEAR	Iron	ppm	ASTM D5185m	<u> </u>	31		
WEAR	Chromium	ppm	ASTM D5185m		<1		
The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other metal levels are typical for a new component breaking in.	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m	/5	0		
	Silver	ppm	ASTM D5185m	>3	<1		
	Aluminum	ppm	ASTM D5185m		6		
	Lead	ppm	ASTM D5185m		<1		
	Copper	ppm	ASTM D5185m		<u> 181</u>		
	Tin	ppm	ASTM D5185m		1		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>22	4 9		
Elemental level of silicon (Si) above normal indicating ingress of seal material.	Potassium	ppm	ASTM D5185m	>20	2		
	Fuel	%	ASTM D3524	>2.1	<1.0		
	Water		WC Method	>0.21	NEG		
	Glycol		WC Method		NEG		
	Soot %	%	*ASTM D7844		0.3		
	Nitration	Abs/cm	*ASTM D7624	>20	10.1		
	Sulfation	Abs/.1mm	*ASTM D7415		27.8		
	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	visuai	>0.21	NEG		
LUID CONDITION	Sodium	ppm	ASTM D5185m	>31	7		
	Boron	ppm	ASTM D5185m		151		
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.	Barium	ppm	ASTM D5185m		2		
	Molybdenum	ppm	ASTM D5185m		260		
	Manganese	ppm	ASTM D5185m		2		
	Magnesium	ppm	ASTM D5185m		785		
	Calcium	ppm	ASTM D5185m		1650		
	Phosphorus	ppm	ASTM D5185m		891		
	Zinc	ppm	ASTM D5185m		1167		
	Sulfur	ppm	ASTM D5185m		2866		
	Oxidation	Abs/.1mm	*ASTM D7414	>25	26.1		
	Base Number (BN)	mg KOH/g	ASTM D2896	13.6	7.0		

Visc @ 100°C cSt ASTM D445 15.4





Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0206548 Lab Number : 06105901

Unique Number: 10909398

Received **Tested** Diagnosed

: 01 Mar 2024 : 04 Mar 2024

: 04 Mar 2024 - Don Baldridge Test Package : CONST (Additional Tests: FuelDilution, TBN)

JRE - CHARLOTTE 9550 STATESVILLE ROAD CHARLOTTE, NC US 28269

Contact: CHARLOTTE SHOP

myoung@jamesriverequipment.com T: (704)597-0211

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)

F: (704)596-6198