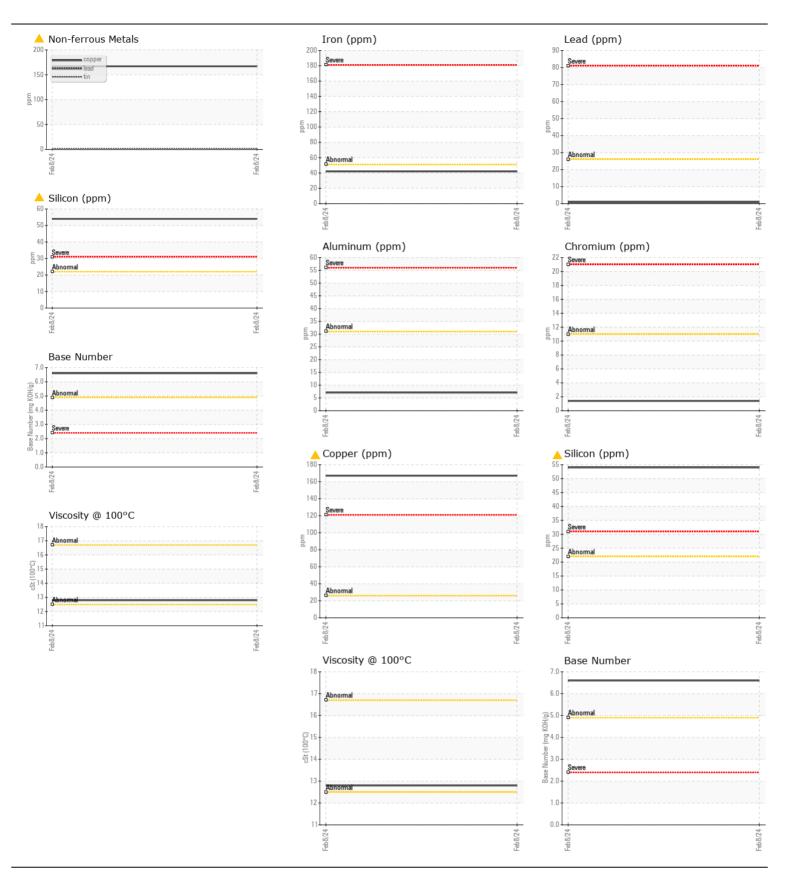
WEAR CONTAMINATION **FLUID CONDITION** **ABNORMAL ABNORMAL NORMAL**

Machine Id

JOHN DEERE 333G 1T0333GMCPF445507

Component Diesel Engine		01						
็ใnot provided} (GAL)								
RECOMMENDATION		Test	UOM	Method	Limit/Abn	Current	History1	History2
		Sample Number		Client Info		JR0158707		
No corrective action is recommended	at this time. Resample at the	Sample Date		Client Info		08 Feb 2024		
next service interval to monitor.		Machine Age	hrs	Client Info		297		
		Oil Age	hrs	Client Info		0		
		Filter Age	hrs	Client Info		0		
		Oil Changed		Client Info		N/A		
		Filter Changed		Client Info		N/A		
		Sample Status				ABNORMAL		
WEAR		Iron	ppm	ASTM D5185m	>51	42		
The copper level is abnormal. In the abs metals, suspect copper due to sources core). All other metal levels are typical frin.	es other than wear (i.e. cooling	Chromium		ASTM D5185m		1		
		Nickel	ppm	ASTM D5185m		1		
		Titanium	ppm	ASTM D5185m	>0	- <1		
		Silver		ASTM D5185m	. 2	<1		
		Aluminum	ppm	ASTM D5185m		7		
		Lead	ppm	ASTM D5185m		/ <1		
		Copper	ppm	ASTM D5185m		▲ 167		
		Tin	ppm	ASTM D5185m		1		
		Vanadium	ppm	ASTM D5185m	>4	0		
		White Metal	ppm	*Visual	NONE	NONE		
			scalar			NONE		
		Yellow Metal	scalar	*Visual	NONE	INONE		
CONTAMINATION		Silicon	ppm	ASTM D5185m	>22	▲ 54		
Elemental level of silicon (Si) above no	normal indicating ingress of seal	Potassium	ppm	ASTM D5185m	>20	3		
		Fuel		WC Method	>2.1	<1.0		
material.		Water		WC Method	>0.21	NEG		
		Glycol		WC Method		NEG		
		Soot %	%	*ASTM D7844	>3	0.3		
		Nitration	Abs/cm	*ASTM D7624	>20	11.0		
		Sulfation	Abs/.1mm	*ASTM D7415	>30	29.0		
		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	>0.21	NEG		
LUID CONDITION		د مانسم مسائد سم		ACTM DE10E	01	-		
FLUID CONDITION		Sodium	ppm	ASTM D5185m	>31	5		
The BN result indicates that there is s		Boron Barium	ppm	ASTM D5185m		171		
oil. The condition of the oil is suitable t			ppm	ASTM D5185m		0		
		Molybdenum	ppm	ASTM D5185m		323		
		Manganese	ppm	ASTM D5185m		3		
		Magnesium Calcium	ppm	ASTM D5185m		896 1852		
			ppm	ASTM D5185m		1852		
		Phosphorus	ppm	ASTM D5185m		870 1220		
		Zinc	ppm	ASTM D5185m		1329		
		Sulfur	ppm Abo/1mm	ASTM D5185m	. OF	2687		
		Oxidation	Abs/.1mm	*ASTM D7414	>20	27.0 6.6		
		Base Number (BN)	0 0	ASTM D2896		6.6		
		Visc @ 100°C	cSt	ASTM D445		12.8		





Laboratory Sample No.

: JR0158707 **Lab Number** : 06085340

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.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received Unique Number : 10872785

Tested Diagnosed Test Package : MOBCE (Additional Tests: TBN)

: 09 Feb 2024 : 12 Feb 2024

: 12 Feb 2024 - Don Baldridge

JRE - FISHERSVILLE 98 EXPO ROAD FISHERSVILLE, VA US 22939

Contact: MIKE JENKINS

MIKE.JENKINS@JAMESRIVEREQUIPMENT.COM

T: (540)292-3494 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (540)337-1495