WEAR CONTAMINATION FLUID CONDITION

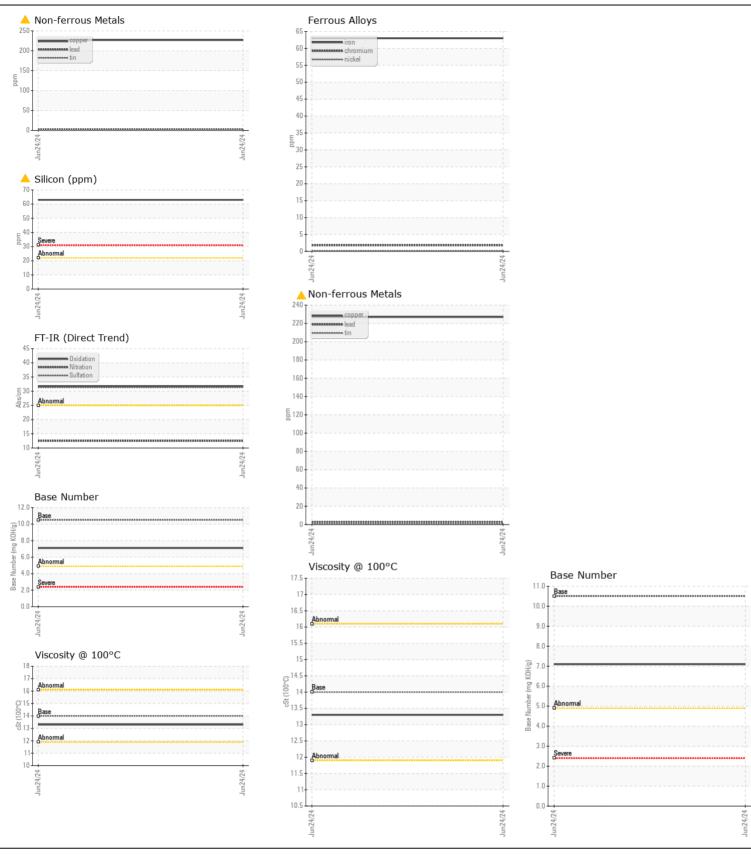
ABNORMAL
ABNORMAL
NORMAL

Machine Id

## JOHN DEERE 333G 1T0333GMLPF450940

Diesel Engine

RECOMMENDATION		Test	UOM	Method	Limit/Abn	Current	History1	History2
		Sample Number		Client Info		WE0006503		
Dil and filter change at the time of sampling has been noted		Sample Date		Client Info		24 Jun 2024		
corrective action is recommended at this time. Resample at the next service interval to monitor.		Machine Age	hrs	Client Info		532		
		Oil Age	hrs	Client Info		532		
		Filter Age	hrs	Client Info		532		
		Oil Changed		Client Info		Changed		
		Filter Changed		Client Info		Changed		
		Sample Status				ABNORMAL		
VEAD				ACTM DE10E				
WEAR		Iron	ppm	ASTM D5185m		63		
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.	ficant wear	Chromium	ppm	ASTM D5185m		2		
		Nickel	ppm	ASTM D5185m	>5	<1		
	nt breaking	Titanium	ppm	ASTM D5185m	0	<1		
		Silver	ppm	ASTM D5185m		<1		
		Aluminum	ppm	ASTM D5185m		7		
		Lead	ppm	ASTM D5185m		3 ^ 227		
		Copper Tin	ppm	ASTM D5185m ASTM D5185m				
		Vanadium	ppm	ASTM D5185m	>4	<1 <1		
		White Metal	ppm scalar	*Visual	NONE	NONE		
		Yellow Metal	scalar	*Visual	NONE	NONE		
<u></u>				Visuai		INONE		
CONTAMINATION		Silicon	ppm	ASTM D5185m	>22	<b>6</b> 3		
Elemental level of silicon (Si) above normal indicating ingress of seal material.		Potassium	ppm	ASTM D5185m	>20	2		
	ess of seal	Fuel		WC Method	>2.1	<1.0		
		Water		WC Method	>0.21	NEG		
		Glycol		WC Method		NEG		
		Soot %	%	*ASTM D7844	>3	0.6		
		Nitration	Abs/cm	*ASTM D7624	>20	12.5		
		Sulfation	Abs/.1mm	*ASTM D7415	>30	31.3		
		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		
FLUID CONDITION		Sodium	ppm	ASTM D5185m	>31	12		
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.		Boron	ppm	ASTM D5185m	201	102		
	· ·	Barium	ppm	ASTM D5185m		4		
	rice.	Molybdenum	ppm	ASTM D5185m		290		
		Manganese	ppm	ASTM D5185m		4		
		Magnesium	ppm	ASTM D5185m		930		
		Calcium	ppm	ASTM D5185m		2270		
		Phosphorus	ppm	ASTM D5185m		1018		
		Zinc	ppm	ASTM D5185m		1312		
		Sulfur	ppm	ASTM D5185m		3430		
		Oxidation	Abs/.1mm	*ASTM D7414	>25	31.7		
		Base Number (BN)				7.1		
		Visc @ 100°C	cSt	ASTM D445		13.3		





Certificate L2367

Laboratory Sample No.

Lab Number : 06223244 Unique Number : 11101441

: WE0006503

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

Diagnosed Test Package : CONST ( Additional Tests: TBN )

: 28 Jun 2024 : 28 Jun 2024 : 30 Jun 2024 - Don Baldridge

P.O. BOX 412 NORTHPORT, AL US 35476 Contact: PAMELA CLARK

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WARRIOR TRACTOR AND EQUIPMENT - NORTHPORT

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)

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