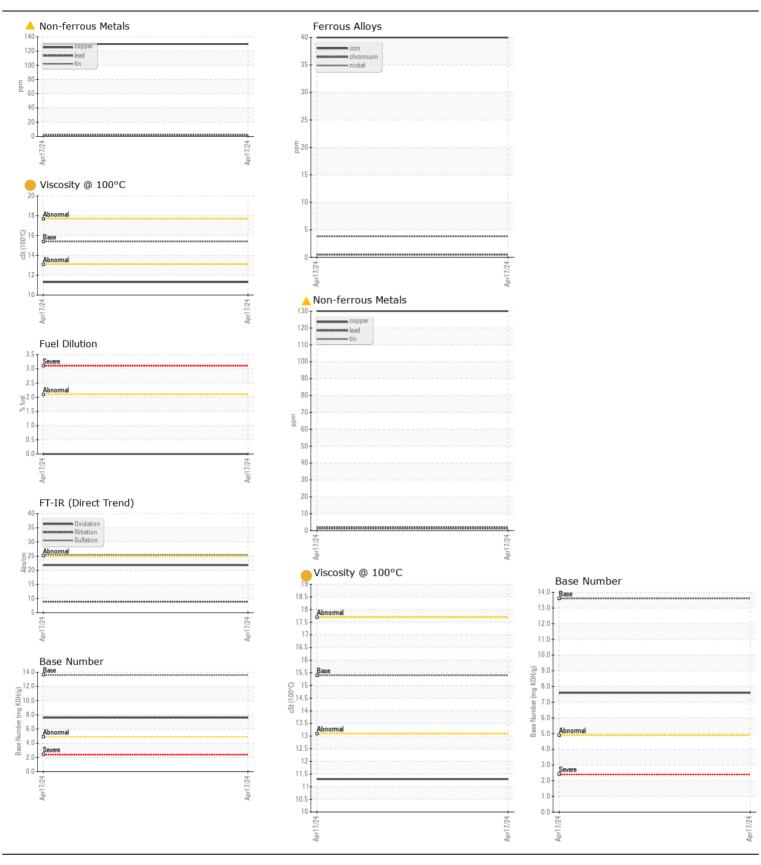
**WEAR** CONTAMINATION **FLUID CONDITION** 

**ABNORMAL** NORMAL **ATTENTION** 

Machine Id

## **JOHN DEERE 350P 1FF350PATPF001096**

Diesel Engine JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (	QTS)						
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		WE0006774		
	Sample Date		Client Info		17 Apr 2024		
	Machine Age	hrs	Client Info		512		
	Oil Age	hrs	Client Info		512		
	Filter Age	hrs	Client Info		512		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				ABNORMAL		
MEAD	Iron	nnm	ACTM DE10Em	. 51	40		
WEAR	Iron	ppm	ASTM D5185m		40		
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.	Chromium	ppm	ASTM D5185m		<1		
	Nickel	ppm	ASTM D5185m	>5	4		
	Titanium	ppm	ASTM D5185m	0	<1		
	Silver	ppm	ASTM D5185m		<1		
	Aluminum	ppm	ASTM D5185m		5		
	Lead	ppm	ASTM D5185m		1		
	Copper	ppm	ASTM D5185m		<u> </u>		
	Tin	ppm	ASTM D5185m	>4	2		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	<b>-22</b>	10		
CONTAMINATION	Potassium	ppm	ASTM D5185m		6		
Fuel content negligible. There is no indication of any contamination in the oil.	Fuel	%	ASTM D3163111		0.0		
	Water	70	WC Method		NEG		
	Glycol		WC Method	70.21	NEG		
	Soot %	%	*ASTM D7844	· 3	0.3		
	Nitration	Abs/cm	*ASTM D7624		8.9		
	Sulfation	Abs/.1mm	*ASTM D7024		25.3		
	Silt		*Visual	NONE	NONE		
	Debris	scalar		NONE	NONE		
		scalar	*Visual				
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance Odor	scalar	*Visual *Visual	NORML NORML	NORML NORML		
	Emulsified Water	scalar		>0.21	NEG		
······	Liliuisilleu watei	Scalai	Visuai	>0.21			
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>31	8		
The oil viscosity is lower than normal. The BN result indicates that	Boron	ppm	ASTM D5185m		233		
there is suitable alkalinity remaining in the oil. Confirm oil type.	Barium	ppm	ASTM D5185m		4		
	Molybdenum	ppm	ASTM D5185m		214		
	Manganese	ppm	ASTM D5185m		3		
	Magnesium	ppm	ASTM D5185m		790		
	Calcium	ppm	ASTM D5185m		1482		
	Phosphorus	ppm	ASTM D5185m		853		
	Zinc	ppm	ASTM D5185m		1036		
	Sulfur	ppm	ASTM D5185m		2972		
	Oxidation	Abs/.1mm	*ASTM D7414	>25	21.8		
	D N I (DN)	mm 1/011/m	ACTM DOOG	106	7.6		
	Base Number (BN)	mg KOH/g	ASTM D2896	13.0	7.6		







Certificate L2367

Laboratory Sample No.

: WE0006774 Lab Number : 06155644

Unique Number: 10991067

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 22 Apr 2024 **Tested** 

: 25 Apr 2024 Diagnosed

: 25 Apr 2024 - Don Baldridge Test Package: CONST (Additional Tests: FuelDilution, PercentFuel, TBN)

WARRIOR TRACTOR AND EQUIPMENT - NORTHPORT P.O. BOX 412 NORTHPORT, AL US 35476 Contact: CRAIG ANDOE

serve01@warriortractor.com T: (205)339-0300

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)