WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

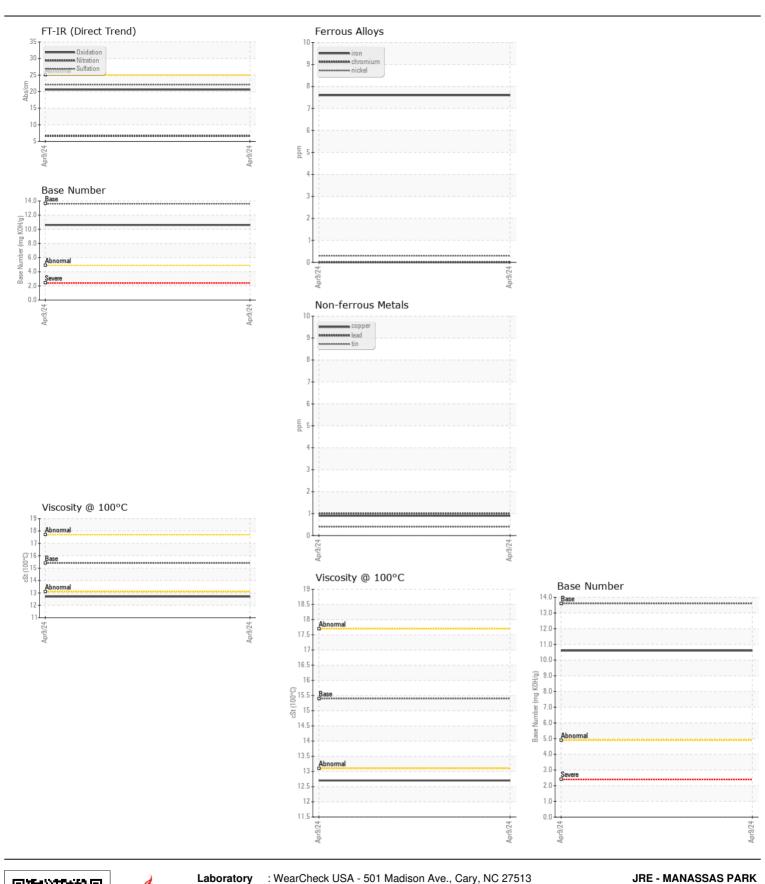
[SW RODGERS]

JOHN DEERE 410L 1T0410LXEPF433423

Diesel Engine

JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (--- GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		JR0211009		
	Sample Date		Client Info		09 Apr 2024		
	Machine Age	hrs	Client Info		1078		
	Oil Age	hrs	Client Info		0		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				NORMAL		
WEAR	Iron	ppm	ASTM D5185m	<u>\51</u>	8		
WEART-	Chromium	ppm	ASTM D5185m		0		
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		<1		
	Titanium	ppm	ASTM D5185m	/5	<1		
	Silver		ASTM D5185m	_3	0		
	Aluminum	ppm	ASTM D5185m		2		
	Lead	ppm	ASTM D5185m		1		
	Copper	ppm	ASTM D5185m		- <1		
	Tin	ppm	ASTM D5185m		<1		
	Vanadium	ppm	ASTM D5185m	/T	<1 <1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
<u></u>	Tellow Metal		Visuai		·····		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>22	4		
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	<1		
	Fuel	%	ASTM D3524	>2.1	<1.0		
	Water		WC Method	>0.21	NEG		
	Glycol		WC Method		NEG		
	Soot %	%	*ASTM D7844	>3	0.1		
	Nitration	Abs/cm	*ASTM D7624	>20	6.6		
	Sulfation	Abs/.1mm	*ASTM D7415	>30	22.1		
	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	3		
	Boron	ppm	ASTM D5185m	701	68		
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		0		
	Molybdenum	ppm	ASTM D5185m		44		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		512		
	Calcium	ppm	ASTM D5185m		1849		
	Phosphorus	ppm	ASTM D5185m		958		
	Zinc	ppm	ASTM D5185m		1145		
	Sulfur	ppm	ASTM D5185m		3488		
	Oxidation	Abs/.1mm	*ASTM D7414	>25	20.6		
	Base Number (BN)		ASTM D2896		10.6		
	DUOU MUNICI IDINI	my ROTTy	, .O I IVI DE000	10.0			







Certificate L2367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0211009 Lab Number : 06145552

Unique Number : 10970360

Received **Tested** Diagnosed

: 11 Apr 2024 : 15 Apr 2024

: 15 Apr 2024 - Sean Felton Test Package : CONST (Additional Tests: FuelDilution, PercentFuel, TBN)

MANASSAS PARK, VA US 20111 Contact: DON VEST

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. dvest@jamesriverequipment.com T: (703)631-8500

9107 OWENS DRIVE

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

F: (703)631-4715

Contact/Location: DON VEST - JAMMAN