WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL NORMAL

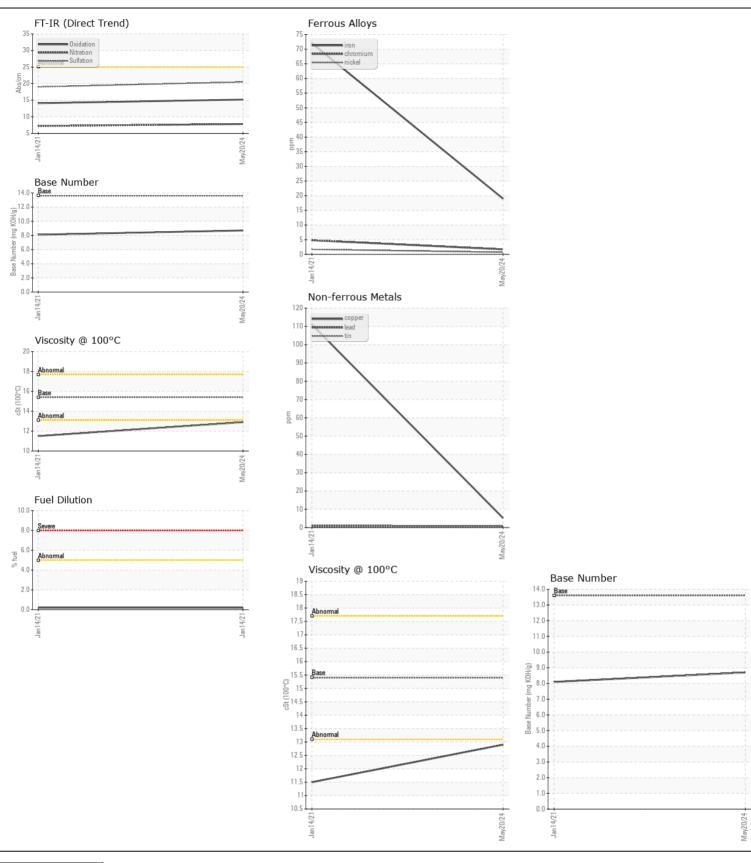
Machine Id

## SAKAI 544T 6003965 (S/N 3SV36-10202)

Component 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		JR0213350	JR0069281	
	Sample Date		Client Info		20 May 2024	14 Jan 2021	
	Machine Age	hrs	Client Info		1660	645	
	Oil Age	hrs	Client Info		0	0	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		N/A	Changed	
	Filter Changed		Client Info		N/A	Changed	
	Sample Status				NORMAL	ATTENTION	
VEAR	Iron	ppm	ASTM D5185m	>100	19	72	
	Chromium	ppm	ASTM D5185m	>20	2	5	
All component wear rates are normal.	Nickel	ppm	ASTM D5185m	>4	<1	2	
	Titanium	ppm	ASTM D5185m		<1	<1	
	Silver	ppm	ASTM D5185m	>3	<1	<1	
	Aluminum	ppm	ASTM D5185m		9	4	
	Lead	ppm	ASTM D5185m		<1	<1	
	Copper	ppm	ASTM D5185m		5	111	
	Tin	ppm	ASTM D5185m		1	1	
	Vanadium	ppm	ASTM D5185m		<1	<1	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	0.11.		AOTM DE LOS	05	44	40	
CONTAMINATION	Silicon	ppm	ASTM D5185m		11	10	
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		3	12	
	Fuel	%	ASTM D3524		<1.0	0.2	
	Water		WC Method	>0.2	NEG	NEG	
	Glycol	0/	WC Method	0	NEG	NEG	
	Soot %	%	*ASTM D7844		0.2	0.1	
	Nitration	Abs/cm	*ASTM D7624		7.8	7.2	
	Sulfation Silt	Abs/.1mm	*ASTM D7415		20.5 NONE	19 NONE	
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE NONE	
		scalar	*Visual *Visual	NONE NORML	NORML	NORML	
	Appearance Odor	scalar scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water		*Visual	>0.2	NEG	NEG	
LUID CONDITION	Sodium	ppm	ASTM D5185m		5	8	
he BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		291	38	
oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	9	
	Molybdenum	ppm	ASTM D5185m		255	49	
	Manganese	ppm	ASTM D5185m		<1	4	
	Magnesium	ppm	ASTM D5185m		832	813	
	Calcium	ppm	ASTM D5185m		1455	1562	
	Phosphorus	ppm	ASTM D5185m		928	1052	
	Zinc	ppm	ASTM D5185m		1089	1404	
	Sulfur	ppm	ASTM D5185m		3384	3261	
	Oxidation	Abs/.1mm	*ASTM D7414		15.2	14.1	
	Base Number (BN)		ASTM D2896		8.7	8.1	
	Visc @ 100°C	cSt	ASTM D445	15.4	12.9	11.5	







Certificate L2367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0213350 Lab Number : 06185942 Unique Number : 11042694

Received **Tested** Diagnosed

Test Package : CONST ( Additional Tests: FuelDilution, TBN )

: 22 May 2024 : 23 May 2024 - Jonathan Hester

: 21 May 2024

Contact: DON VEST dvest@jamesriverequipment.com

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JRE - MANASSAS PARK

9107 OWENS DRIVE

MANASSAS PARK, VA

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)

US 20111