WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

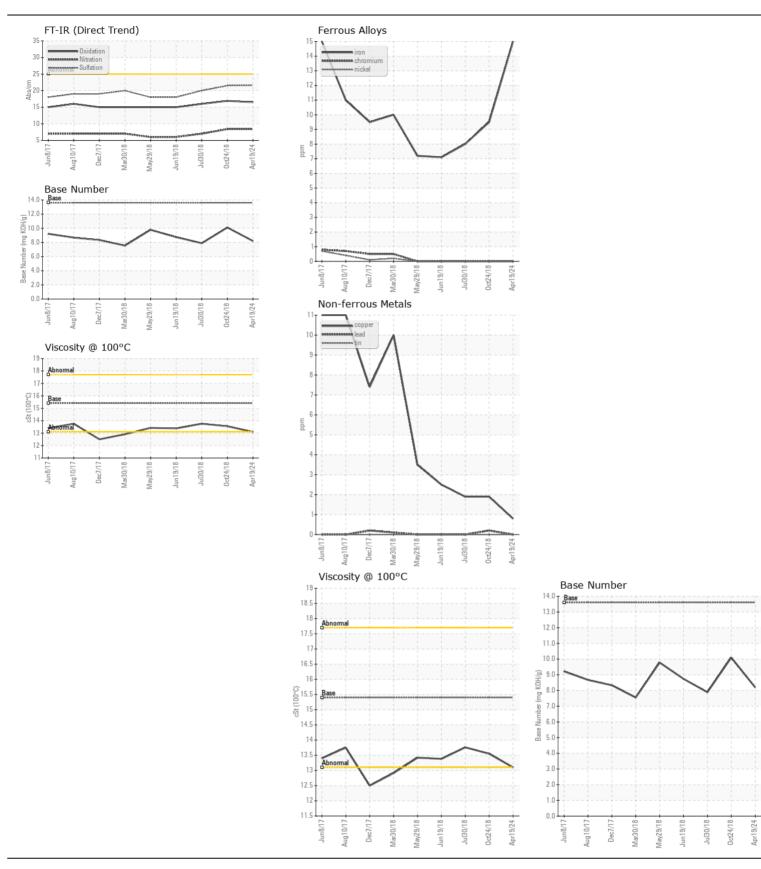
Machine Id

SAKAI SW880 4SW65-20125

Diesel Engine

JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (2 GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		JR0206666	JRMC394811	JRMC459823
Resample at the next service interval to monitor.	Sample Date		Client Info		19 Apr 2024	24 Oct 2018	30 Jul 2018
	Machine Age	hrs	Client Info		5729	2535	1775
	Oil Age	hrs	Client Info		5729	500	0
	Filter Age	hrs	Client Info		0	500	0
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
VEAR	Iron	ppm	ASTM D5185m	>100	15	10	8
	Chromium	ppm	ASTM D5185m		0	0	0
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	0	0
	Titanium	ppm	ASTM D5185m		0	<1	<1
	Silver	ppm	ASTM D5185m	\3	0	0	0
	Aluminum	ppm	ASTM D5185m		3	4	4
	Lead	ppm	ASTM D5185m		0	<1	0
	Copper	ppm	ASTM D5185m		<1	2	2
	Tin	ppm	ASTM D5185m		0	0	0
	Vanadium	ppm	ASTM D5185m	7.0	<1	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTABBINATION	0:1:		AOTA DEADE	05			
CONTAMINATION	Silicon	ppm	ASTM D5185m		7	5	5
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		<1	4	2
	Fuel		WC Method		<1.0	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol	0/	WC Method	0	NEG	NEG	NEG
	Soot % Nitration	%	*ASTM D7844 *ASTM D7624		0.1 8.4	0.1	0
		Abs/cm				8.4	7. 20.
	Sulfation Silt	Abs/.1mm	*ASTM D7415 *Visual		21.6 NONE	21.5	NONE
	Debris	scalar scalar	*Visual	NONE	NONE	NONE NONE	
	Sand/Dirt		*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORMI
	Odor	scalar scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water		*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		3	12	11
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m		177	201	198
	Barium	ppm	ASTM D5185m		<1	0	0
	Molybdenum	ppm	ASTM D5185m		223	216	224
	Manganese	ppm	ASTM D5185m		<1	2	<1
	Magnesium	ppm	ASTM D5185m		822	740	775
	Calcium	ppm	ASTM D5185m		1444	1596	1516
	Phosphorus	ppm	ASTM D5185m		940	937	811
	Zinc	ppm	ASTM D5185m		1165	1059	1014
	Sulfur	ppm	ASTM D5185m	0.5	3620	2781	2750
	Oxidation	Abs/.1mm	*ASTM D7414		16.5	16.9	16.
	Base Number (BN)	mg KOH/g			8.2	10.1	7.89
	Visc @ 100°C	cSt	ASTM D445	4 - 4	13.1	13.55	13.76







Certificate L2367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0206666 Lab Number : 06157444

Received **Tested** Diagnosed Unique Number: 10992867

: 24 Apr 2024 - Wes Davis Test Package : CONST (Additional Tests: TBN)

: 23 Apr 2024 9550 STATESVILLE ROAD : 24 Apr 2024 CHARLOTTE, NC

US 28269 Contact: CHARLOTTE SHOP

JRE - CHARLOTTE

myoung@jamesriverequipment.com T: (704)597-0211

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.

F: (704)596-6198 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)