WEAR CONTAMINATION FLUID CONDITION

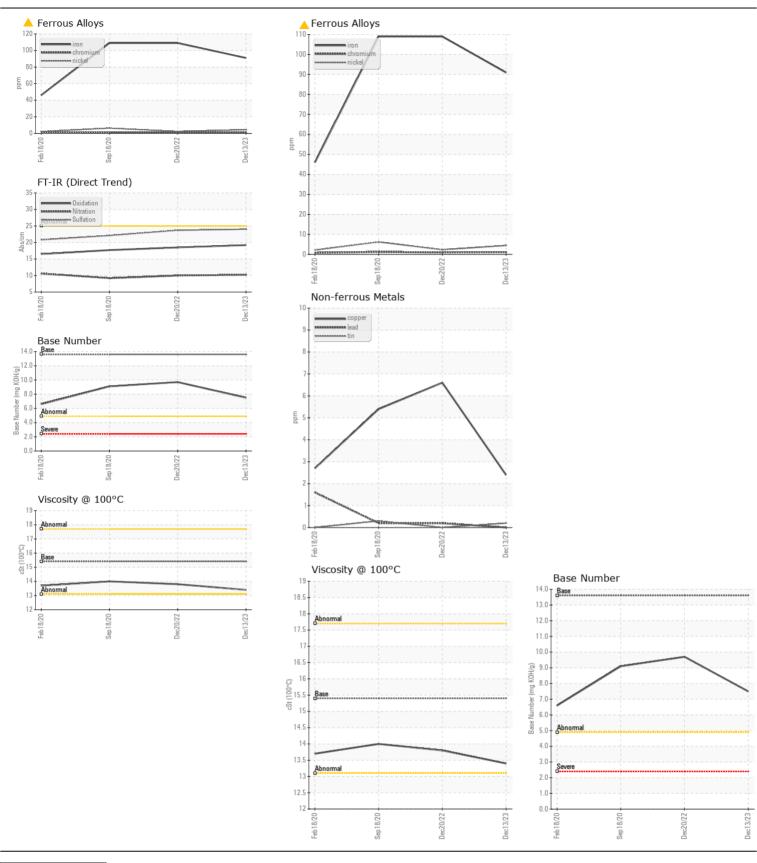
ABNORMAL NORMAL NORMAL

Machine Id

JOHN DEERE 250G 1FF250GXVFF609867

Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
No corrective action is recommended at this time. Resample at the next service interval to monitor.	Sample Number		Client Info		JR0194722		JR006256
	Sample Date		Client Info		13 Dec 2023	20 Dec 2022	18 Sep 202
	Machine Age	hrs	Client Info		4500	4060	3429
	Oil Age	hrs	Client Info		0	294	0
	Filter Age	hrs	Client Info		0	294	0
	Oil Changed		Client Info		N/A	Changed	Changed
	Filter Changed		Client Info		N/A	Changed	Changeo
	Sample Status				ABNORMAL	ABNORMAL	ABNORMA
VEAR	Iron	ppm	ASTM D5185m	>51	<u> </u>	<u> </u>	<u> </u>
	Chromium	ppm	ASTM D5185m		1	1	1
The iron level has decreased, but is still abnormal. Cylinder, crank, or cam shaft wear is indicated.	Nickel	ppm	ASTM D5185m		4	2	<u>^</u> 6
	Titanium	ppm	ASTM D5185m		0	<1	<1
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m	>31	6	5	0
	Lead	ppm	ASTM D5185m	>26	0	<1	<1
	Copper	ppm	ASTM D5185m	>26	2	7	5
	Tin	ppm	ASTM D5185m	>4	<1	0	<1
	Vanadium	ppm	ASTM D5185m		<1	0	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NON
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NON
CONTAMINATION	Silicon	ppm	ASTM D5185m	>22	10	9	9
CONTAININATION	Potassium	ppm	ASTM D5185m		3	6	2
There is no indication of any contamination in the oil.	Fuel	ррпп	WC Method	>2.1	<1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG.
	Glycol		WC Method	70.21	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.4	0.3	0.2
	Nitration	Abs/cm	*ASTM D7624	>20	10.2	10.0	9.2
	Sulfation	Abs/.1mm	*ASTM D7415	>30	24.0	23.7	22.1
	Silt	scalar	*Visual	NONE	NONE	NONE	NON
	Debris	scalar	*Visual	NONE	NONE	NONE	NON
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NON
	Appearance	scalar	*Visual	NORML	NORML	NORML	NOR
	Odor	scalar	*Visual	NORML	NORML	NORML	NOR
	Emulsified Water	scalar	*Visual	>0.21	NEG	NEG	NEG
LUID CONDITION	Sodium	nnm	ASTM D5185m	. 21	2	0	5
LOID CONDITION	Boron	ppm	ASTM D5185m	>31	131	157	230
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 ppm	ASTM D5185m		0	0	<1
	Molybdenum	ppm	ASTM D5185m		214	239	244
	Manganese	ppm	ASTM D5185m		1	1	2
	Magnesium	ppm	ASTM D5185m		767	817	784
	Calcium	ppm	ASTM D5185m		1508	1492	1336
	Phosphorus	ppm	ASTM D5185m		887	947	836
	Zinc	ppm	ASTM D5185m		1120	1141	965
	Sulfur	ppm	ASTM D5185m		2932	3756	2485
	Oxidation	Abs/.1mm	*ASTM D7414	>25	19.2	18.5	17.7
	Base Number (BN)				7.5	9.7	9.1
	. ,	cSt		15.4		13.8	14.0





Certificate L2367

Laboratory Sample No.

Lab Number : 06034433

: JR0194722 Unique Number : 10789662

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

Received **Tested** Diagnosed Test Package : CONST (Additional Tests: TBN)

: 14 Dec 2023 : 15 Dec 2023

: 18 Dec 2023 - Don Baldridge

JRE - ASHEVILLE 101 BRUCE DRIVE ASHEVILLE, NC US 28806 Contact: Randy Warren

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. randy.warren@jamesriverequipment.com T: (528)667-0176

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

F: (828)667-4865