WEAR CONTAMINATION FLUID CONDITION

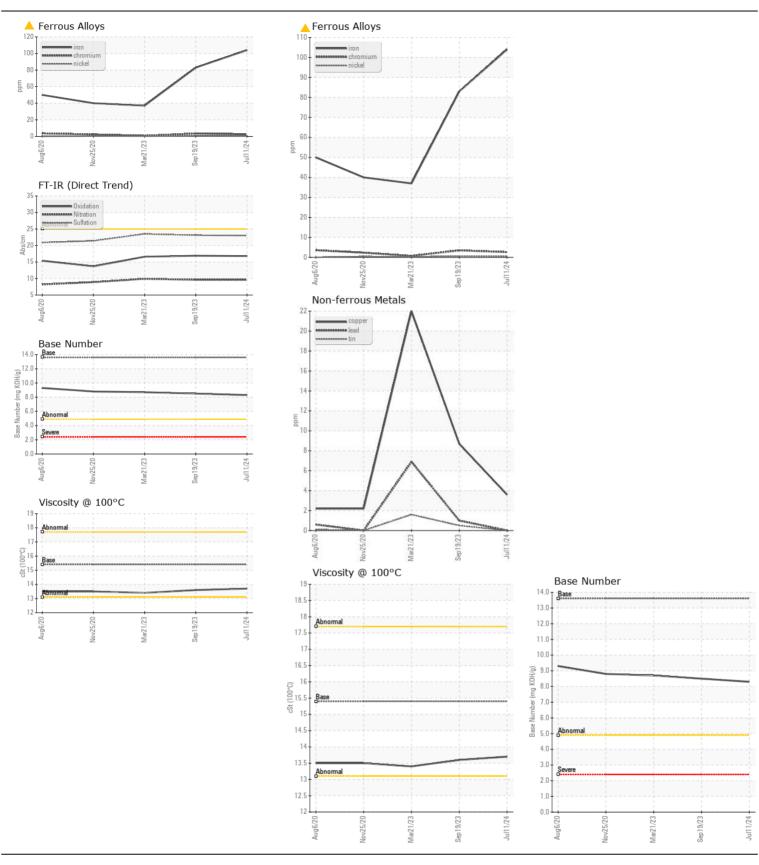
ABNORMAL NORMAL NORMAL

Machine Id

JOHN DEERE 350G 1FF350GXJFF810816

Diesel Engine

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		JR0222375	JR0185836	JR016326
	Sample Date		Client Info		11 Jul 2024	19 Sep 2023	21 Mar 202
	Machine Age	hrs	Client Info		8543	8029	7449
	Oil Age	hrs	Client Info		514	580	500
	Filter Age	hrs	Client Info		0	580	500
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				ABNORMAL	ABNORMAL	NORMAL
VEAR	Iron	ppm	ASTM D5185m	>51	104	<u> </u>	37
	Chromium	ppm	ASTM D5185m		3	4	<1
Cylinder, crank, or cam shaft wear is indicated. All other component wear rates are normal.	Nickel	ppm	ASTM D5185m		<1	<1	<1
	Titanium	ppm	ASTM D5185m		0	<1	<1
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m		8	8	3
	Lead	ppm	ASTM D5185m		0	1	7
	Copper	ppm	ASTM D5185m	>26	4	9	22
	Tin	ppm	ASTM D5185m	>4	0	<1	2
	Vanadium	ppm	ASTM D5185m		0	<1	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>22	12	12	9
ONTAMINATION	Potassium	ppm	ASTM D5185m		12	24	<1
There is no indication of any contamination in the oil.	Fuel	ρρ	WC Method	>2.1	<1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.5	0.5	0.5
	Nitration	Abs/cm	*ASTM D7624	>20	9.6	9.6	9.9
	Sulfation	Abs/.1mm	*ASTM D7415	>30	23.0	23.1	23.5
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water	scalar	*Visual	>0.21	NEG	NEG	NEG
LUID CONDITION	Sodium	ppm	ASTM D5185m	>31	1	3	3
	Boron	ppm	ASTM D5185m		134	123	214
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	0	0
	Molybdenum	ppm	ASTM D5185m		277	256	225
	Manganese	ppm	ASTM D5185m		1	2	5
	Magnesium	ppm	ASTM D5185m		862	876	724
	Calcium	ppm	ASTM D5185m		1458	1552	1362
	Phosphorus	ppm	ASTM D5185m		798	857	745
	Zinc	ppm	ASTM D5185m		1135	1104	926
	Sulfur	ppm	ASTM D5185m		2651	3295	2893
	Oxidation	Abs/.1mm	*ASTM D7414	>25	16.8	16.9	16.6
	Base Number (BN)	mg KOH/g	ASTM D2896	13.6	8.3	8.5	8.7
	Visc @ 100°C	cSt	ASTM D445		13.7	13.6	13.4







Certificate L2367

Unique Number : 11126468

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0222375 Lab Number : 06237634

Received : 16 Jul 2024 **Tested** Diagnosed Test Package : CONST (Additional Tests: TBN)

: 17 Jul 2024 : 18 Jul 2024 - Don Baldridge

JRE - GARNER 4161 AUBURN CHURCH RD GARNER, NC

US 27529

Contact: RALEIGH SHOP sean.betts@jamesriverequipment.com;catherine.anastasio@wearcheck.com

T: (919)614-2260 F: (919)779-5432

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)