WEAR CONTAMINATION FLUID CONDITION

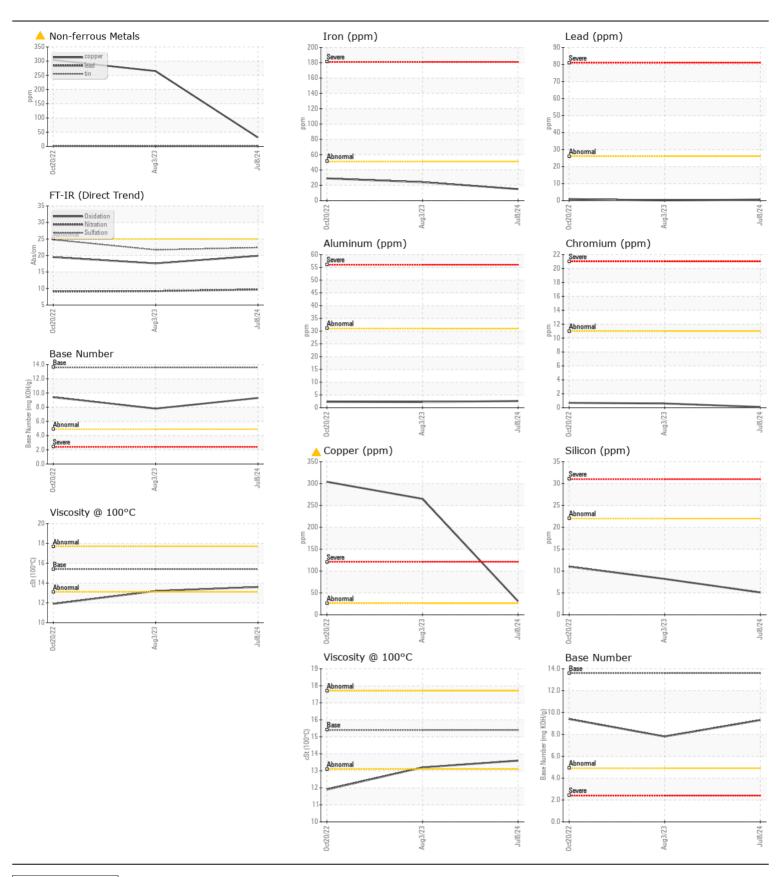
ABNORMAL NORMAL NORMAL

Machine Id

JOHN DEERE 300G 1FF300GXKNF732047

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. (Customer Sample Comment: W9145)	Sample Number		Client Info	2	JR0224165	JR0170392	,
	Sample Date		Client Info		08 Jul 2024	03 Aug 2023	20 Oct 2022
	Machine Age	hrs	Client Info		1780	973	398
	Oil Age	hrs	Client Info		807	0	0
	Filter Age	hrs	Client Info		807	0	0
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR	Iron	ppm	ASTM D5185m	>51	15	24	29
The copper level has decreased, but is still abnormal. All other component wear rates are normal.	Chromium	ppm	ASTM D5185m	>11	<1	<1	<1
	Nickel	ppm	ASTM D5185m		4	12	3
	Titanium	ppm	ASTM D5185m		0	<1	<1
	Silver	ppm	ASTM D5185m	>3	0	<1	0
	Aluminum	ppm	ASTM D5185m		3	2	2
	Lead	ppm	ASTM D5185m		<1	<1	<1
	Copper	ppm	ASTM D5185m	>26	<u></u> 4 31	<u>^</u> 265	△ 304
	Tin	ppm	ASTM D5185m	>4	<1	1	1
	Vanadium	ppm	ASTM D5185m		0	0	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>22	5	8	11
OOMIAMINATION	Potassium	ppm	ASTM D5185m		2	2	<1
There is no indication of any contamination in the oil.	Fuel	ррпп	WC Method		<1.0	<1.0	0.1
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method	, 0.2.	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.3	0.4	0.5
	Nitration	Abs/cm	*ASTM D7624	>20	9.7	9.2	9.1
	Sulfation	Abs/.1mm	*ASTM D7415		22.4	21.7	24.8
	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	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water	scalar	*Visual	>0.21	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>31	4	0	5
I Edib donibilion	Boron	ppm	ASTM D5185m		98	148	145
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	1
	Molybdenum	ppm	ASTM D5185m		112	246	185
	Manganese	ppm	ASTM D5185m		1	2	5
	Magnesium	ppm	ASTM D5185m		845	792	696
	Calcium	ppm	ASTM D5185m		1404	1433	1603
	Phosphorus	ppm	ASTM D5185m		867	826	885
	Zinc	ppm	ASTM D5185m		990	997	1059
	Sulfur	ppm	ASTM D5185m		3008	2572	3421
	Oxidation	Abs/.1mm	*ASTM D7414	>25	19.9	17.6	19.5
	Base Number (BN)	mg KOH/g	ASTM D2896	13.6	9.3	7.8	9.4
	Visc @ 100°C	cSt	ASTM D445		13.6	13.2	11.9





Report Id: JAMWIN [WUSCAR] 06231269 (Generated: 07/10/2024 16:02:55) Rev: 1

Laboratory Sample No.

Lab Number

: JR0224165 : 06231269 Unique Number : 11114762

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

: 09 Jul 2024 Diagnosed

: 10 Jul 2024 : 10 Jul 2024 - Don Baldridge

JRE - STEPHENSON 245 YARDMASTER COURT STEPHENSON, VA US 22656-1761

Test Package: MOBCE (Additional Tests: TBN) Contact: PHIL DAUGHERTY Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. pdaugherty@jamesriverequipment.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: x:

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