WEAR CONTAMINATION FLUID CONDITION

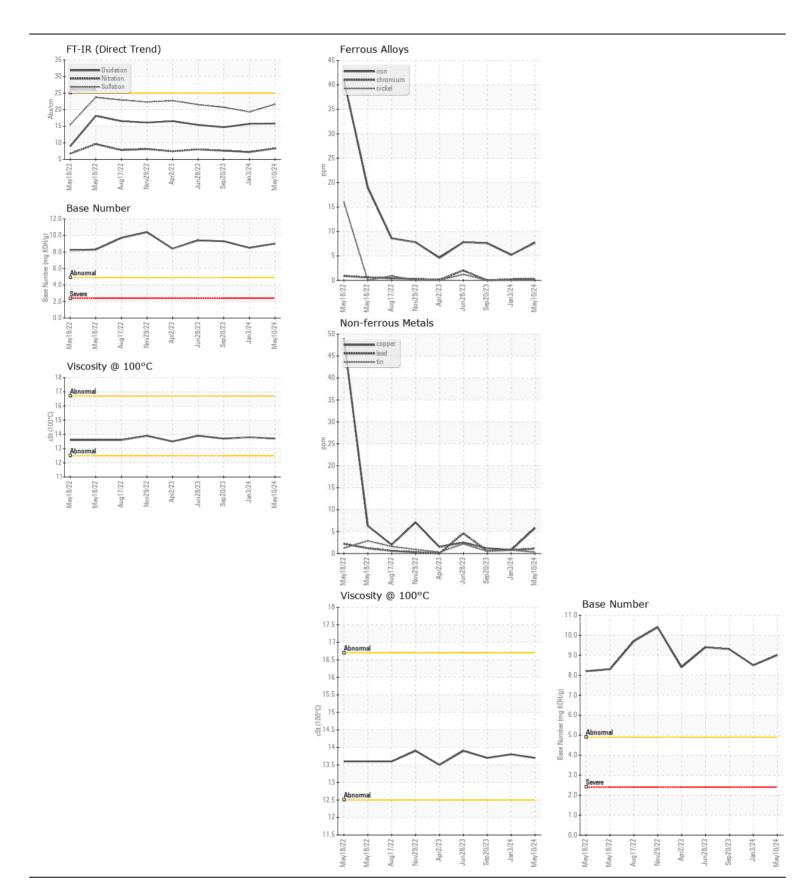
NORMAL NORMAL NORMAL

Machine Id

JOHN DEERE 345G 1FF345GXKMF020827

Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.	Sample Number	OOW	Client Info	LIIIIU/ADII	JR0215029	JR0189057	JR0188746
	Sample Date		Client Info		10 May 2024	03 Jan 2024	20 Sep 2023
	Machine Age	hrs	Client Info		4132	3530	2994
	Oil Age	hrs	Client Info		602	536	501
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>51	8	5	8
	Chromium	ppm	ASTM D5185m		<1	<1	0
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	0	0
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m	>31	5	5	2
	Lead	ppm	ASTM D5185m	>26	1	<1	<1
	Copper	ppm	ASTM D5185m	>26	6	<1	1
	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	7	6	6
	Potassium	ppm	ASTM D5185m	>20	<1	0	1
There is no indication of any contamination in the oil.	Fuel		WC Method	>2.1	<1.0	<1.0	<1.0
	Water		WC Method	>0.21	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.4	0.3	0.5
	Nitration	Abs/cm	*ASTM D7624	>20	8.3	7.2	7.6
	Sulfation	Abs/.1mm	*ASTM D7415		21.6	19.3	20.7
	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	NORMI
	Odor Emulsified Water	scalar	*Visual *Visual	NORML >0.21	NORML NEG	NORML NEG	NEG
			v iouai	70.21			
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>31	1	1	1
The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		241	219	221
oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		<1	<1	0
	Molybdenum	ppm	ASTM D5185m		254	239	232
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		835	799	805
	Calcium Phosphorus	ppm	ASTM D5185m ASTM D5185m		1540 955	1364 946	1484 871
	Zinc	ppm	ASTM D5185m		955 1124	1053	1078
	Sulfur	ppm	ASTM D5185m		3576	2997	3523
	Oxidation	ppm Abs/.1mm	*ASTM D3163111	>25	15.8	15.7	14.7
	Base Number (BN)			720	9.0	8.5	9.3
	Dasc Halliber (DIV)	my normy	, 10 THI DE000		0.0	0.0	0.0







Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0215029 Lab Number : 06177001

Unique Number : 11023054

Received **Tested** Diagnosed

: 13 May 2024 : 14 May 2024

: 14 May 2024 - Wes Davis

JRE - CHARLOTTE 9550 STATESVILLE ROAD CHARLOTTE, NC

US 28269

Contact: CHARLOTTE SHOP myoung@jamesriverequipment.com

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Test Package : CONST (Additional Tests: TBN) 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)