WEAR CONTAMINATION FLUID CONDITION

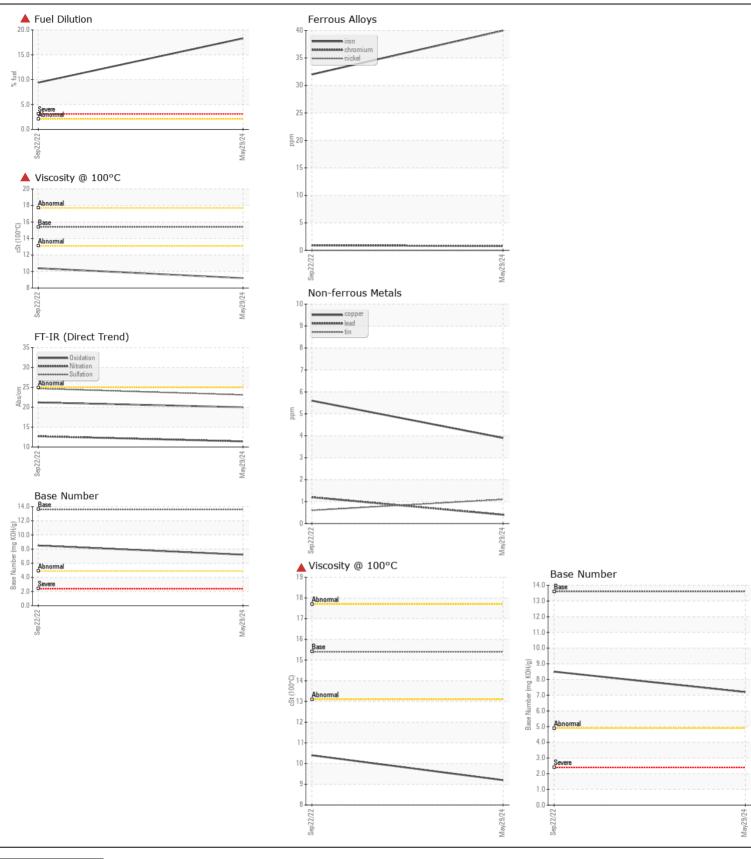
NORMAL SEVERE SEVERE

Machine Id

JOHN DEERE 4044M 1LV4044MLJJ103663

Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number	O O IVI	Client Info		JR0212116	,	
We advise that you check the fuel injection system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.	Sample Date		Client Info		29 May 2024		
	Machine Age	hrs	Client Info		3029	2112	
	Oil Age	hrs	Client Info		0	0	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		Changed	Changed	
	Filter Changed		Client Info		Changed	Changed	
	Sample Status				SEVERE	SEVERE	
VEAR	Iron	ppm	ASTM D5185m		40	32	
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		<1	<1	
	Nickel	ppm	ASTM D5185m	>5	0	0	
	Titanium	ppm	ASTM D5185m		0	0	
	Silver	ppm	ASTM D5185m		0	0	
	Aluminum	ppm	ASTM D5185m		7	4	
	Lead	ppm	ASTM D5185m		<1	1	
	Copper	ppm	ASTM D5185m		4	6	
	Tin	ppm	ASTM D5185m	>4	1	<1	
	Vanadium	ppm	ASTM D5185m	NONE	0	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m	>22	8	7	
JOHN PARISH	Potassium	ppm	ASTM D5185m		<1	0	
There is a high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.	Fuel	%	ASTM D3524		18.3	4 9.4	
	Water		WC Method	>0.21	NEG	NEG	
	Glycol		WC Method		NEG	NEG	
	Soot %	%	*ASTM D7844	>3	0.5	0.6	
	Nitration	Abs/cm	*ASTM D7624	>20	11.4	12.7	
	Sulfation	Abs/.1mm	*ASTM D7415	>30	23.1	24.7	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>0.21	NEG	NEG	
I LUD CONDITION	015		AOTA DE40E	04	•		
LUID CONDITION	Sodium	ppm	ASTM D5185m	>31	2	1	
The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.	Boron Barium	ppm	ASTM D5185m ASTM D5185m		91 -1	87 0	
	Molybdenum	ppm	ASTM D5185m		<1 198	181	
	Manganese	ppm	ASTM D5185m			<1	
	Magnesium	ppm	ASTM D5185m		<1 661	608	
	Calcium	ppm	ASTM D5185m		1144	1188	
	Phosphorus	ppm	ASTM D5185m		662	590	
	Zinc		ASTM D5185m		779	702	
	Sulfur	ppm	ASTM D5185m		2791	2623	
	Oxidation	Abs/.1mm	*ASTM D3163111	>25	20.0	21.2	
	Base Number (BN)		ASTM D7414 ASTM D2896		7.2	8.5	
	Dasc Humber (DIV)	my NOTI/y	10 IN D2000	10.0	1.2	0.0	





Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0212116 Lab Number : 06195301

Unique Number : 11057424

Received **Tested** Diagnosed

: 30 May 2024 : 04 Jun 2024

: 04 Jun 2024 - Wes Davis Test Package : CONST (Additional Tests: PercentFuel, TBN)

JRE - ASHLAND 11047 LEADBETTER RD ASHLAND, VA US 23005 Contact: DAVID ZIEG

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. dzieg@jamesriverequipment.com T: (804)798-6001

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

F: (804)798-0292