WEAR
CONTAMINATION
FLUID CONDITION

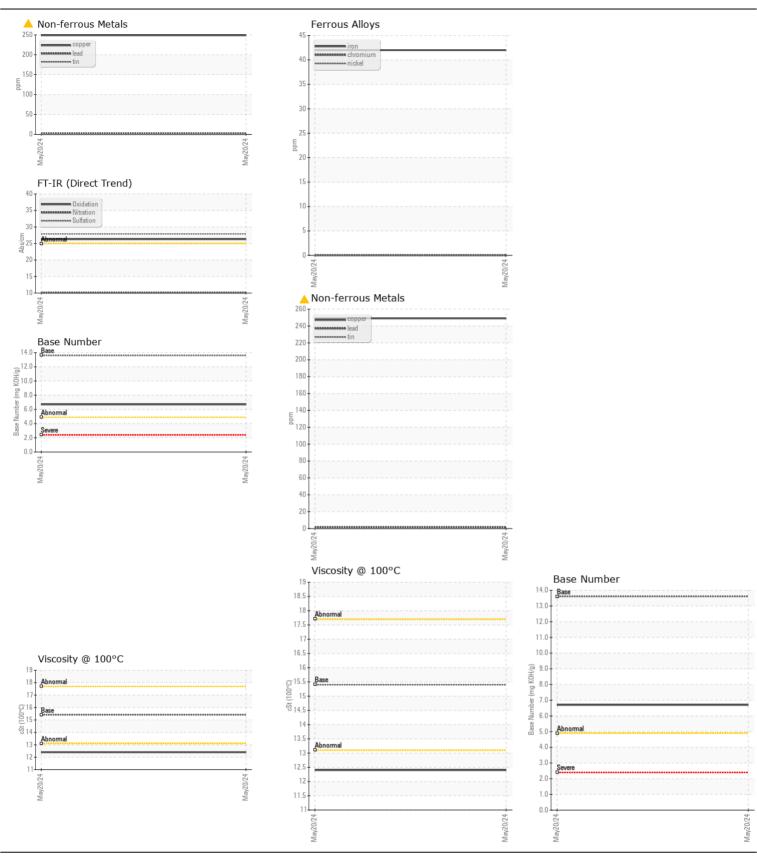
ABNORMAL NORMAL NORMAL

Machine Id

JOHN DEERE 333G 1T0333GMHRF458069

Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History
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	J J.VI	Client Info		JR0179758		
	Sample Date		Client Info		20 May 2024		
	Machine Age	hrs	Client Info		461		
	Oil Age	hrs	Client Info		0		
	Filter Age	hrs	Client Info		0		
	Oil Changed	0	Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status		Onone inio		ABNORMAL		
VEAR	Iron	ppm	ASTM D5185m	>51	42		
The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). All other metal levels are typical for a new component breaking in.	Chromium	ppm	ASTM D5185m	>11	0		
	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m		0		
	Silver	ppm	ASTM D5185m	>3	0		
	Aluminum	ppm	ASTM D5185m		5		
	Lead	ppm	ASTM D5185m		2		
	Copper	ppm	ASTM D5185m		<u> </u>		
	Tin	ppm	ASTM D5185m		0		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
ONTAMINATION	Silicon	ppm	ASTM D5185m	>22	50		
OSITAMINATION	Potassium	ppm	ASTM D5185m		<1		
There is no indication of any contamination in the oil.	Fuel	%		>2.1	<1.0		
	Water	, ,	WC Method		NEG		
	Glycol		WC Method	, 0.2.	NEG		
	Soot %	%	*ASTM D7844	>3	0.4		
	Nitration	Abs/cm	*ASTM D7624	>20	10.1		
	Sulfation	Abs/.1mm	*ASTM D7415		27.9		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water		*Visual	>0.21	NEG		
LUID CONDITION	Sodium	ppm	ASTM D5185m	>31	11		
12012 CONDITION	Boron	ppm	ASTM D5185m		145		
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		1		
	Molybdenum	ppm	ASTM D5185m		226		
	Manganese	ppm	ASTM D5185m		1		
	Magnesium	ppm	ASTM D5185m		702		
	Calcium	ppm	ASTM D5185m		1945		
	Phosphorus	ppm	ASTM D5185m		937		
	Zinc	ppm	ASTM D5185m		1185		
	Sulfur	ppm	ASTM D5185m		3281		
	Oxidation	Abs/.1mm	*ASTM D7414	>25	26.3		
	Base Number (BN)	mg KOH/g	ASTM D2896		6.7		
		THU INVITU	, 10 1 IVI D 2000	10.0	J.1		





Report Id: JAMASH [WUSCAR] 06187463 (Generated: 05/28/2024 08:27:26) Rev: 1

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0179758 Lab Number : 06187463

Unique Number : 11044215

Received **Tested**

: 22 May 2024 : 28 May 2024 Diagnosed

: 28 May 2024 - Sean Felton

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

Test Package : CONST (Additional Tests: FuelDilution, TBN) Certificate L2367 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.

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

Contact/Location: DAVID ZIEG - JAMASH

F: (804)798-0292