WEAR CONTAMINATION FLUID CONDITION **ABNORMAL ABNORMAL ABNORMAL**

Machine Id

JOHN DEERE 843L-II 1DW843LBHPF716507

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	UCIVI	Client Info	LIIIIUADII	JR0212184		
	Sample Date		Client Info		03 May 2024		
	Machine Age	hrs	Client Info		465		
	Oil Age	hrs	Client Info		465		
	Filter Age	hrs	Client Info		465		
	Oil Changed	1110	Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status		Oliciti IIIIo		ABNORMAL		
WEAR 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.	Iron	ppm	ASTM D5185m		38		
	Chromium	ppm	ASTM D5185m	>11	<1		
	Nickel	ppm	ASTM D5185m	>5	4		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m	>3	0		
	Aluminum	ppm	ASTM D5185m	>31	6		
	Lead	ppm	ASTM D5185m	>26	<1		
	Copper	ppm	ASTM D5185m	>26	4 395		
	Tin	ppm	ASTM D5185m	>4	2		
	Vanadium	ppm	ASTM D5185m		<1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION Light fuel dilution occurring.	Silicon	nnm	ASTM D5185m	> 22	12		
	Potassium	ppm	ASTM D5185m		35		
	Fuel	ppm o/	ASTM D3163111	>2.1	35 ▲ 2.2		
		%					
	Water		WC Method WC Method	>0.21	NEG NEG		
	Glycol Soot %	%	*ASTM D7844	. 0			
					0.6		
	Nitration	Abs/dm	*ASTM D7624	>20	9.6		
	Sulfation	Abs/.1mm	*ASTM D7415		22.4		
	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	scalar	*Visual	>0.21	NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>31	29		
	Boron	ppm	ASTM D5185m		142		
Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.	Barium	ppm	ASTM D5185m		2		
	Molybdenum	ppm	ASTM D5185m		210		
	Manganese	ppm	ASTM D5185m		6		
	Magnesium	ppm	ASTM D5185m		741		
	Calcium	ppm	ASTM D5185m		1403		
	Phosphorus	ppm	ASTM D5185m		936		
	Zinc	ppm	ASTM D5185m		1087		
	Sulfur	ppm	ASTM D5185m		2951		
	Oxidation	Abs/.1mm	*ASTM D7414	>25	17.7		
			ASTM D2896		8.8		
	Base Number (BN)	ma kuh/a	HO I IVI LIZOND		0.0		







Certificate L2367

Report Id: CARCHAJR [WUSCAR] 06178508 (Generated: 05/16/2024 10:34:54) Rev: 1

Laboratory Sample No.

Lab Number : 06178508

Unique Number : 11029834

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0212184

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

Received : 14 May 2024 **Tested** : 16 May 2024

Diagnosed : 16 May 2024 - Sean Felton Test Package: CONST (Additional Tests: FuelDilution, PercentFuel, TBN)

CARLTON'S BACKHOE 9550 STATESVILLE ROAD CHARLOTTE, NC US 28269 Contact: LEO

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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