



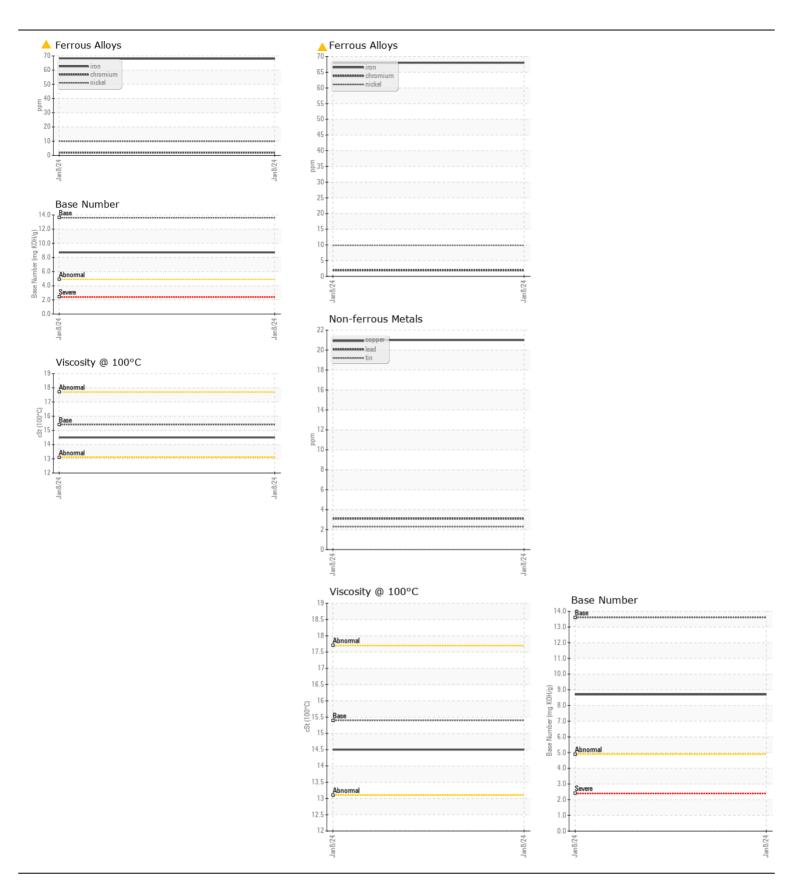
WEAR CONTAMINATION FLUID CONDITION **ABNORMAL NORMAL NORMAL**

Store 5 - Cross Lanes

JOHN DEERE 850L 1T0850LXEMF399825

Component Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
No corrective action is recommended at this time. Resample at the next service interval to monitor.	Sample Number		Client Info		LEC0046290		
	Sample Date		Client Info		08 Jan 2024		
	Machine Age	hrs	Client Info		2577		
	Oil Age	hrs	Client Info		2577		
	Filter Age	hrs	Client Info		577		
	Oil Changed		Client Info		Not Changd		
	Filter Changed		Client Info		N/A		
	Sample Status				ABNORMAL		
VEAD	Iron	nnm	ASTM D5185m	- 51	A 60		
WEAR	Iron	ppm			▲ 68 2		
Cylinder, crank, or cam shaft wear is indicated. Valve wear is indicated.	Chromium	ppm	ASTM D5185m				
	Nickel	ppm	ASTM D5185m	>5	<u>10</u>		
	Titanium	ppm	ASTM D5185m	0	<1		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m		11		
	Lead	ppm		>26	3		
	Copper	ppm	ASTM D5185m		21		
	Tin	ppm	ASTM D5185m	>4	2		
	Vanadium	ppm	ASTM D5185m	NONE	<1 NOVE		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>!20	14		
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	0		
	Fuel		WC Method	>2.1	<1.0		
	Water		WC Method	>0.21	NEG		
	Glycol		WC Method		NEG		
	Soot %	%	*ASTM D7844	>3	0.8		
	Nitration	Abs/cm	*ASTM D7624	>20	10.1		
	Sulfation	Abs/.1mm	*ASTM D7415	>30	24.1		
	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		
LUID CONDITION	Sodium	ppm	ASTM D5185m	\31	0		
LOID CONDITION	Boron	ppm	ASTM D5185m	701	96		
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		0		
	Molybdenum	ppm	ASTM D5185m		225		
	Manganese		ASTM D5185m		2		
	Magnesium	ppm	ASTM D5185m		790		
	Calcium	ppm	ASTM D5165III		1531		
		ppm			863		
	Phosphorus	ppm	ASTM D5185m ASTM D5185m				
	Zinc	ppm			1152		
	Sulfur	ppm Abo/1mm	ASTM D5185m	- OF	2751		
	Oxidation	Abs/.1mm	*ASTM D7414		18.8		
	Base Number (BN)	mg KOH/g	ASTM D2896	13.0	8.7		







Certificate L2367

Report Id: LESMAROH [WUSCAR] 06057941 (Generated: 01/12/2024 18:07:07) Rev: 1

Laboratory Sample No. Lab Number **Unique Number**

: LEC0046290 : 06057941 : 10829323

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

Diagnosed : 12 Jan 2024

Diagnostician : Don Baldridge

: 11 Jan 2024

Test Package : CONST (Additional Tests: TBN)

* - 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)

To discuss this sample report, contact Customer Service at 1-800-237-1369.

LESLIE EQUIPMENT COMPANY

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