



WEAR CONTAMINATION FLUID CONDITION

ABNORMAL NORMAL ATTENTION

Aroa

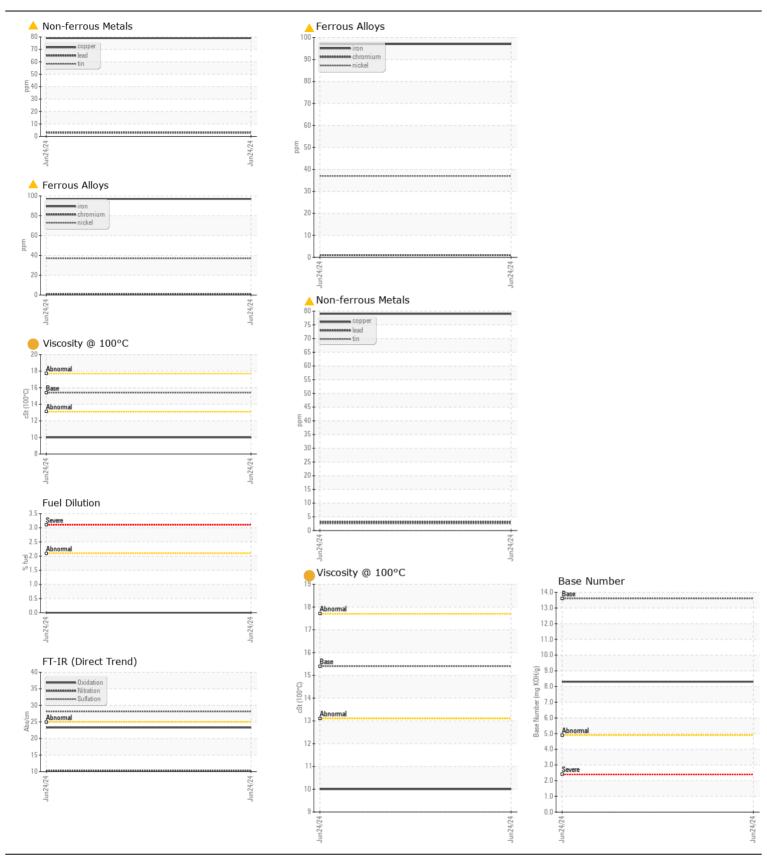
## Store 4 - Fairmont [152344]

## JOHN DEERE 859M 1T0859MXJRL458097

Diesel Engine

JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (8 GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
TEOURINE TO ATTOM	Sample Number		Client Info	2	LEC0049892		
Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Date		Client Info		24 Jun 2024		
	Machine Age	hrs	Client Info		762		
	Oil Age	hrs	Client Info		762		
	Filter Age	hrs	Client Info		762		
	Oil Changed	1110	Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status		Oliciti IIIIO		ABNORMAL		
<u></u>					ADINONNAL		
WEAR	Iron	ppm	ASTM D5185m	>51	97		
	Chromium	ppm	ASTM D5185m	>11	1		
The copper level is abnormal. The nickel level is abnormal. All other metal levels are typical for a new component breaking in.	Nickel	ppm	ASTM D5185m		▲ 37		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m	>3	0		
	Aluminum	ppm	ASTM D5185m		12		
	Lead	ppm	ASTM D5185m		3		
	Copper	ppm	ASTM D5185m		<u> </u>		
	Tin	ppm	ASTM D5185m	>4	3		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
	· · · · · · · · · · · · · · · · · · ·		v 100aa1				
CONTAMINATION	Silicon	ppm	ASTM D5185m	>!20	11		
	Potassium	ppm	ASTM D5185m	>20	28		
Fuel content negligible. There is no indication of any contamination in the oil.	Fuel	%	ASTM D3524	>2.1	0.0		
	Water		WC Method	>0.21	NEG		
	Glycol		WC Method		NEG		
	Soot %	%	*ASTM D7844	>3	1.3		
	Nitration	Abs/cm	*ASTM D7624	>20	10.3		
	Sulfation	Abs/.1mm	*ASTM D7415	>30	28.1		
	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		*Visual	>0.21	NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>31	6		
	Boron	ppm	ASTM D5185m		91		
The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.	Barium	ppm	ASTM D5185m		3		
	Molybdenum	ppm	ASTM D5185m		290		
	Manganese	ppm	ASTM D5185m		3		
	Magnesium	ppm	ASTM D5185m		890		
	Calcium	ppm	ASTM D5185m		1490		
	Phosphorus	ppm	ASTM D5185m		861		
	Zinc	ppm	ASTM D5185m		1128		
	Sulfur	ppm	ASTM D5185m		2712		
	Oxidation	Abs/.1mm	*ASTM D7414	>25	23.3		
	Base Number (BN)		ASTM D2896		8.3		
		99		15.4			







Certificate L2367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : LEC0049892 Lab Number : 06220805

Unique Number : 11099002

Received **Tested** 

: 28 Jun 2024 Diagnosed

: 28 Jun 2024 - Jonathan Hester

Test Package: CONST (Additional Tests: FuelDilution, PercentFuel, TBN)

: 26 Jun 2024

Contact: LEANNE KENDALL

LESLIE EQUIPMENT COMPANY

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) F: (740)373-5570

KendalLeanne@lec1.com T:

105 TENNIS CENTER DR.

MARIETTA, OH

US 45750-9765