



WEAR CONTAMINATION FLUID CONDITION

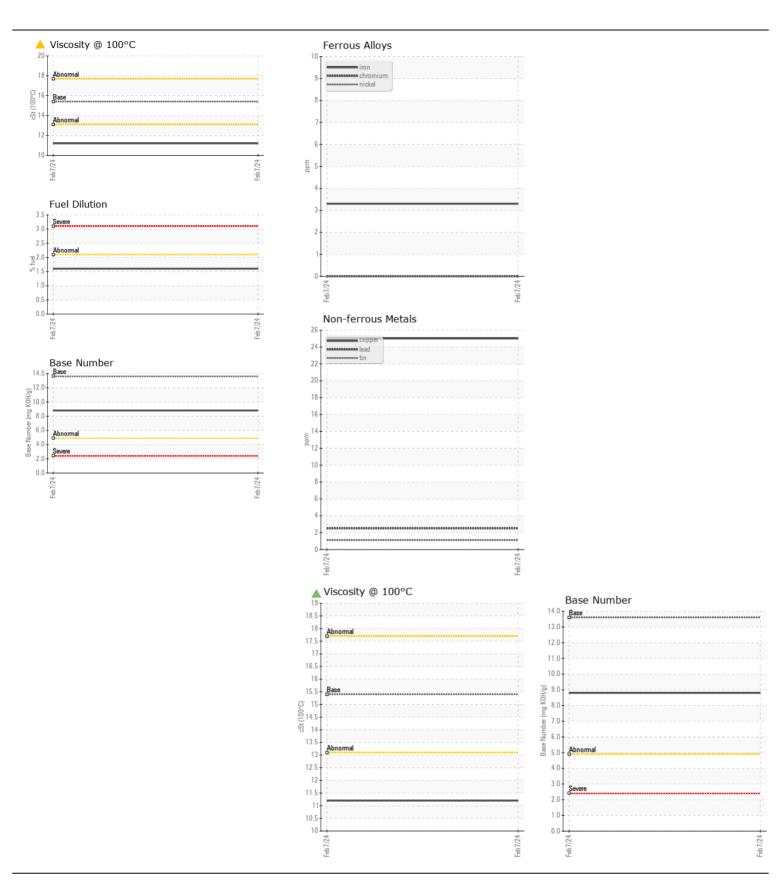
NORMAL NORMAL ATTENTION

Store 5 - Cross Lanes

JOHN DEERE 135P 1FF135PALPF000373

Component Diesel Engine

JOHN DEERE ENGINE OIL PLU	IS 50 II 15W	40 (5	GAL)				
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		LEC0046263		
Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Date		Client Info		07 Feb 2024		
	Machine Age	hrs	Client Info		573		
	Oil Age	hrs	Client Info		573		
	Filter Age	hrs	Client Info		573		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				ATTENTION		
WEAR	Iron	ppm	ASTM D5185m	>51	3		
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		4		
	Lead	ppm	ASTM D5185m		2		
	Copper	ppm	ASTM D5185m		25		
	Tin	ppm	ASTM D5185m	>4	1		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTANUNATION							
CONTAMINATION	Silicon	ppm	ASTM D5185m		19		
Fuel content negligible. There is no indication of any contamination in	Potassium	ppm	ASTM D5185m		5		
the oil.	Fuel	%	ASTM D3524	>2.1	1.6		
	Water		WC Method	>0.21	NEG		
	Glycol	0/	WC Method	0	NEG		
	Soot % Nitration	%	*ASTM D7844 *ASTM D7624		0.1 7.3		
	Sulfation	Abs/cm Abs/.1mm	*ASTM D7624	>20	7.3 15.7		
	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	4		
The oil viscosity is lower than normal. The BN result indicates that	Boron	ppm	ASTM D5185m		145		
there is suitable alkalinity remaining in the oil. Confirm oil type.	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		2		
	Manganese	ppm	ASTM D5185m		2		
	Magnesium	ppm	ASTM D5185m		17		
	Calcium	ppm	ASTM D5185m		2322		
	Phosphorus	ppm	ASTM D5185m		960		
	Zinc	ppm	ASTM D5185m		1146		
	Sulfur	ppm	ASTM D5185m		2745		
	Oxidation	Abs/.1mm	*ASTM D7414		9.6		
	Base Number (BN)				8.8		
	Visc @ 100°C	cSt	ASTM D445	15.4	11.2		







Certificate L2367

Report Id: LESMAROH [WUSCAR] 06084667 (Generated: 02/15/2024 13:49:53) Rev: 1

Laboratory

Sample No.

Lab Number : 06084667 Unique Number : 10872112

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 09 Feb 2024 : LEC0046263 **Tested**

: 13 Feb 2024 : 13 Feb 2024 - Jonathan Hester Diagnosed Test Package: CONST (Additional Tests: FuelDilution, PercentFuel, TBN)

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)

LESLIE EQUIPMENT COMPANY

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