



WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL NORMAL

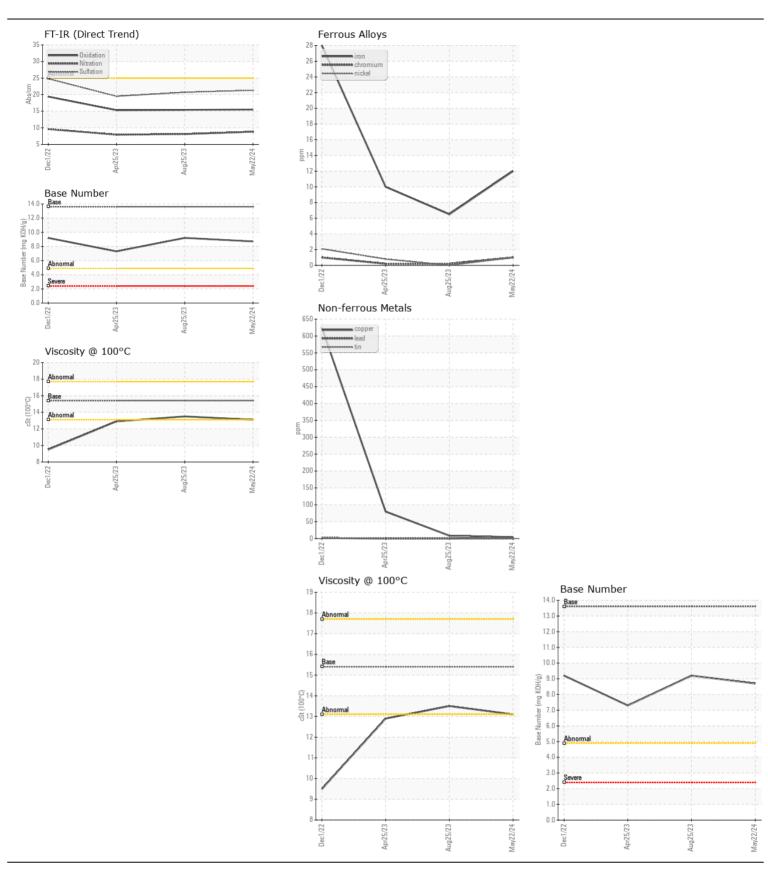
Area

Store 5 - Cross Lanes [151106] JOHN DEERE 544P 1DW544PAVNLZ13715

Diesel Engine

JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (5 GAL)

JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (5 GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
RESSIMENDATION	Sample Number	00	Client Info	2	LEC0049844		LEC0037446
Resample at the next service interval to monitor.	Sample Date		Client Info		22 May 2024	25 Aug 2023	25 Apr 2023
	Machine Age	hrs	Client Info		2008	1585	1236
	Oil Age	hrs	Client Info		423	349	507
	Filter Age	hrs	Client Info		423	349	507
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	ABNORMAL
WEAR	Iron	ppm	ASTM D5185m	>51	12	6	10
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		1	<1	<1
	Nickel	ppm	ASTM D5185m		1	0	<1
	Titanium	ppm	ASTM D5185m		- <1	<1	0
	Silver	ppm	ASTM D5185m	>3	1	0	0
	Aluminum	ppm	ASTM D5185m		5	4	<1
	Lead	ppm	ASTM D5185m		<1	0	0
	Copper	ppm	ASTM D5185m		4	8	<u>^</u> 80
	Tin	ppm	ASTM D5185m		1	0	<1
	Vanadium	ppm	ASTM D5185m		<1	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	0:1:		AOTA DEADE	100			
CONTAMINATION	Silicon	ppm	ASTM D5185m		8	6	6
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		3	0	2
	Fuel		WC Method		<1.0	<1.0	<1.0
	Water		WC Method	>0.21	NEG	NEG	NEG
	Glycol	0/	WC Method	0	NEG	NEG	NEG
	Soot %	%	*ASTM D7844		0.2	0.1	0.1
	Nitration Sulfation	Abs/.1mm	*ASTM D7624 *ASTM D7415		8.8	8.1 20.7	7.9 19.5
	Silt		*Visual	NONE	21.3 NONE	NONE	NONE
	Debris	scalar scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water		*Visual	>0.21	NEG	NEG	NEG
ELUID CONDITION	Co divers			04	• • • • • • • • • • • • • • • • • • • •		
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>31	3	2	0
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Boron Barium	ppm	ASTM D5185m		278 2	322	279
		ppm	ASTM D5185m ASTM D5185m			0	0
	Molybdenum	ppm	ASTM D5165III		263	264	254
	Manganese	ppm			<1	<1	<1
	Magnesium Calcium	ppm	ASTM D5185m ASTM D5185m		837 1393	877 1529	748 1390
	Phosphorus	ppm	ASTM D5165III		915	927	878
	Zinc	ppm	ASTM D5165III		1090	1120	1058
	Sulfur	ppm	ASTM D5185m			3682	2871
	Oxidation	ppm Abs/1mm	*ASTM D5185m	> 2F	3132 15.5	15.4	15.3
		Abs/.1mm	ASTM D2896		8.7	9.2	7.3
	Base Number (BN) Visc @ 100°C	cSt	ASTM D2696 ASTM D445			13.5	12.9
	visc @ 100°C	COL	A3 I WI D445	15.4	13.1	13.5	12.9







Certificate L2367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06191961

Unique Number : 11048713 Test Package : CONST (Additional Tests: TBN)

: LEC0049844 Received **Tested** Diagnosed

: 28 May 2024 : 29 May 2024 : 29 May 2024 - Wes Davis

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.

LESLIE EQUIPMENT COMPANY

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

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