



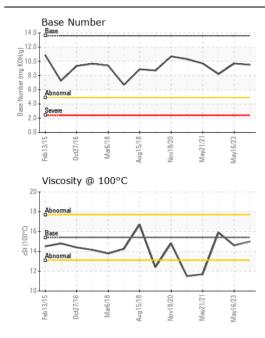
**WEAR CONTAMINATION FLUID CONDITION**  **NORMAL NORMAL NORMAL** 

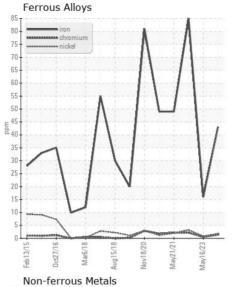
Store 1 - Cowen [RO#147374]

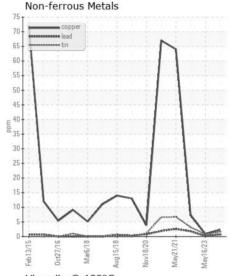
## JOHN DEERE 850K 1T0850KXAEE259195

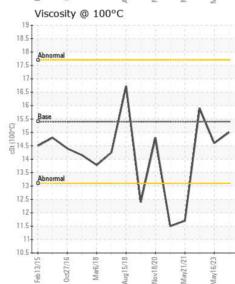
Component Diesel Engine

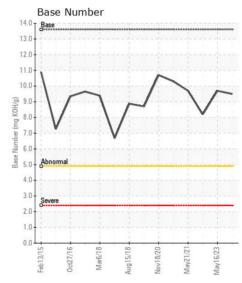
JOHN DEERE ENGINE OIL PLU	JS 50 II 15W	40 (7	GAL)		.,		
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
B. I. if and the state of the s	Sample Number		Client Info		LEC0047976	LEC0039531	LEC0040379
Resample at the next service interval to monitor.	Sample Date		Client Info		23 Feb 2024	16 May 2023	20 Apr 2023
	Machine Age	hrs	Client Info		8110	7575	7485
	Oil Age	hrs	Client Info		625	90	1141
	Filter Age	hrs	Client Info		625	90	1141
	Oil Changed		Client Info		Changed	Not Changd	Changed
	Filter Changed		Client Info		Changed	Not Changd	Changed
	Sample Status				NORMAL	NORMAL	ABNORMAL
WEAR	Iron	ppm	ASTM D5185m	>51	43	16	<u>\$</u> 85
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>11	1	<1	2
	Nickel	ppm	ASTM D5185m		2	<1	3
	Titanium	ppm	ASTM D5185m		<1	0	0
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m	>31	6	2	5
	Lead	ppm	ASTM D5185m		<1	<1	2
	Copper	ppm	ASTM D5185m	>26	2	<1	7
	Tin	ppm	ASTM D5185m		2	<1	3
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>120	10	6	9
SSITTAMINATION	Potassium	ppm	ASTM D5185m		2	2	<1
There is no indication of any contamination in the oil.	Fuel	ppiii	WC Method	>2.1	- <1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method	20.L1	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	1.2	0.3	1.6
	Nitration	Abs/cm	*ASTM D7624	>20	13.3	7.8	13.9
	Sulfation	Abs/.1mm	*ASTM D7415		26.6	21.2	28.5
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	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
FLUID CONDITION	Sodium	ppm	ASTM D5185m	<b>\31</b>	5	0	8
I EOID CONDITION	Boron	ppm	ASTM D5185m	701	81	246	45
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		202	253	165
	Manganese	ppm	ASTM D5185m		<1	<1	2
	Magnesium	ppm	ASTM D5185m		812	775	825
	Calcium	ppm	ASTM D5185m		1658	1435	1824
	Phosphorus	ppm	ASTM D5185m		942	877	952
	Zinc	ppm	ASTM D5185m		1147	1022	1176
	Sulfur	ppm	ASTM D5185m		3064	2690	3305
	Oxidation	Abs/.1mm	*ASTM D7414	>25	22.8	15.9	27.6
	Base Number (BN)				9.5	9.7	8.2
	Visc @ 100°C	cSt	ASTM D445		15.0	14.6	15.9
	*150 @ 100 O	001	, to the lates	10.4	13.0	17.0	10.0













Report Id: LESMAROH [WUSCAR] 06102782 (Generated: 02/29/2024 10:56:42) Rev: 1

Laboratory Sample No.

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

Lab Number : 06102782 Unique Number : 10901012

Received : LEC0047976 : 28 Feb 2024 **Tested** 

: 29 Feb 2024 : 29 Feb 2024 - Wes Davis Diagnosed

Test Package : CONST ( Additional Tests: TBN ) Certificate L2367

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)

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