

LESLIE EQUIPMENT CO.

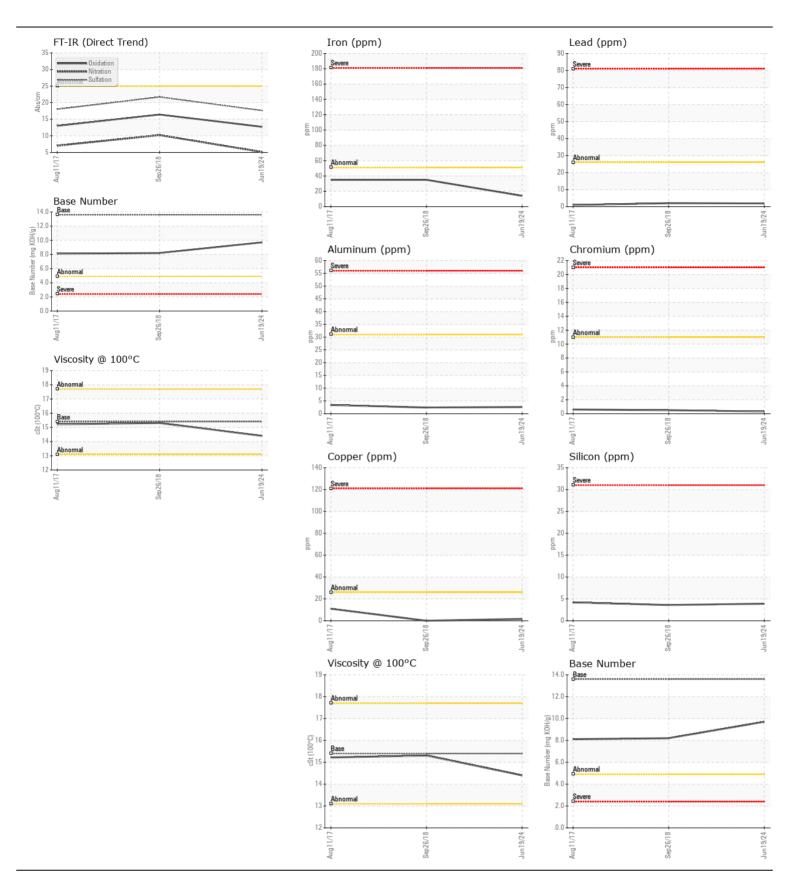
WEAR CONTAMINATION FLUID CONDITION **NORMAL NORMAL NORMAL**

Store 8 - Pikeville

JOHN DEERE 650K 621 (S/N EDE244299)

Diesel Engine

JOHN DEERE ENGINE OIL PLU	JS 50 II 15W	40 (4	GAL)				
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		LECP192489	LECP188725	LECP182517
	Sample Date		Client Info		19 Jun 2024	26 Sep 2018	11 Aug 2017
	Machine Age	hrs	Client Info		4845	2832	2447
	Oil Age	hrs	Client Info		500	385	275
	Filter Age	hrs	Client Info		500	385	275
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>51	14	35	35
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>11	<1	<1	<1
	Nickel	ppm	ASTM D5185m	>5	<1	<1	<1
	Titanium	ppm	ASTM D5185m		<1	102	99
	Silver	ppm	ASTM D5185m	>3	<1	0	0
	Aluminum	ppm	ASTM D5185m	>31	3	2	3
	Lead	ppm	ASTM D5185m		2	2	<1
	Copper	ppm	ASTM D5185m	>26	2	0	11
	Tin	ppm	ASTM D5185m	>4	<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	Silicon	ppm	ASTM D5185m	>!20	4	4	4
	Potassium	ppm	ASTM D5185m	>20	2	6	<1
There is no indication of any contamination in the oil.	Fuel		WC Method		<1.0	<1.0	<1.0
	Water		WC Method	>0.21	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.3	1	0.6
	Nitration	Abs/cm	*ASTM D7624	>20	5.1	10.2	7.
	Sulfation	Abs/.1mm	*ASTM D7415		17.6	21.7	18.
	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	>31	<1	6	5
	Boron	ppm	ASTM D5185m		7	85	55
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		1	0	0
	Molybdenum	ppm	ASTM D5185m		55	1	2
	Manganese	ppm	ASTM D5185m		<1	2	1
	Magnesium	ppm	ASTM D5185m		831	408	297
	Calcium	ppm	ASTM D5185m		1100	1852	1844
	Phosphorus	ppm	ASTM D5185m		907	870	952
	Zinc	ppm	ASTM D5185m		1170	1059	1107
	Sulfur	ppm	ASTM D5185m		3031	3042	1911
	Oxidation	Abs/.1mm	*ASTM D3163111	>25	12.7	16.4	13.
	Base Number (BN)				9.7	8.2	8.11
	Visc @ 100°C	cSt	ASTM D445	13.4	14.4	15.31	15.22







Certificate L2367

Laboratory Sample No.

Lab Number : 06219552 Unique Number : 11097749

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : LECP192489 Received

Tested Diagnosed

: 26 Jun 2024 : 26 Jun 2024 - Don Baldridge

: 25 Jun 2024

Test Package : MOB 1 (Additional Tests: 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)

WESTERN CONSTRUCTION

PO BOX 727 PRESTONSBURG, KY US 41653

Contact: LENNIS tigeran@bellsouth.net T: (606)874-1660

F: (606)874-0043