WEAR CONTAMINATION **FLUID CONDITION**

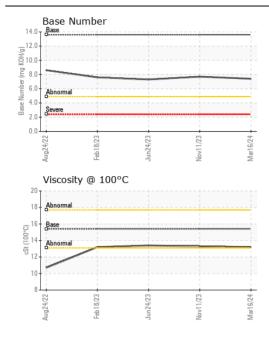
NORMAL NORMAL NORMAL

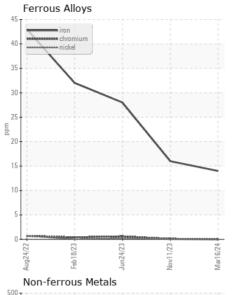
[16W15784]

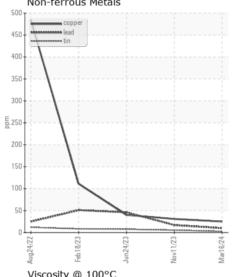
JOHN DEERE 844L 1DW844LXANL714138

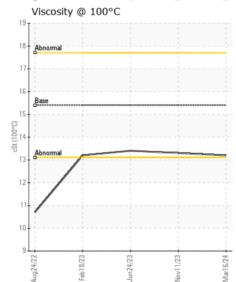
Component Diesel Engine

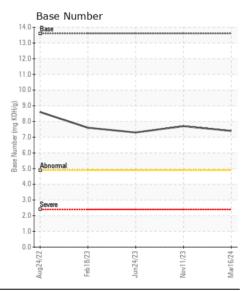
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
TIESOMIWIENDATION -	Sample Number	00.01	Client Info	LITTIOTION	JR0206948	JR0185704	JR017362
Resample at the next service interval to monitor. (Customer Sample Comment: 16W15784)	Sample Date		Client Info		16 Mar 2024	11 Nov 2023	24 Jun 202
	Machine Age	hrs	Client Info		2502	2041	1597
	Oil Age	hrs	Client Info		461	444	531
	Filter Age	hrs	Client Info		461	444	531
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	ABNORMAL	ABNORMA
VEAR	Iron	ppm	ASTM D5185m	>51	14	16	28
	Chromium	ppm	ASTM D5185m	>11	0	<1	<1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	0	<1
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m		2	4	4
	Lead	ppm	ASTM D5185m		10	17	4 6
	Copper	ppm	ASTM D5185m		25	<u> </u>	4 0
	Tin	ppm	ASTM D5185m		3	<u>^</u> 6	<u> 8</u>
	Vanadium	ppm	ASTM D5185m		0	0	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>22	5	7	6
	Potassium	ppm	ASTM D5185m		0	1	1
There is no indication of any contamination in the oil.	Fuel	PPIII	WC Method		<1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method	, 0.2.	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.4	0.5	0.6
	Nitration	Abs/cm	*ASTM D7624	>20	10.7	10.6	12.5
	Sulfation	Abs/.1mm	*ASTM D7415		25.4	25.5	28.4
	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	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water	scalar	*Visual	>0.21	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>31	3	4	5
	Boron	ppm	ASTM D5185m	7 0 .	87	99	41
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		253	258	258
	Manganese	ppm	ASTM D5185m		0	<1	2
	Magnesium	ppm	ASTM D5185m		867	873	882
	Calcium	ppm	ASTM D5185m		1444	1409	1546
	Phosphorus	ppm	ASTM D5185m		817	833	841
	Zinc	ppm	ASTM D5185m		949	1032	1098
	Sulfur	ppm	ASTM D5185m		3428	3021	3703
	Oxidation	Abs/.1mm	*ASTM D7414	>25	20.6	20.4	24.2
	Base Number (BN)		ASTM D2896		7.4	7.7	7.3
		IIIU IVIIIU	TO THE DEGREE	10.0		1.1	7.0













Laboratory Sample No. Unique Number : 10936246

: JR0206948 Lab Number : 06122095

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

Received **Tested**

: 19 Mar 2024 : 19 Mar 2024 Diagnosed Test Package : CONST (Additional Tests: TBN)

: 21 Mar 2024 - Don Baldridge

JRE - CASTLE HAYNE 113 CROWATAN ROAD CASTLE HAYNE, NC US 28429-5819

Contact: WILMINGTON SHOP todd.simmons@jamesriverequipment.com;canastasio@wearcheck.com;canastasio@we

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.

T: (910)675-9211 F:

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