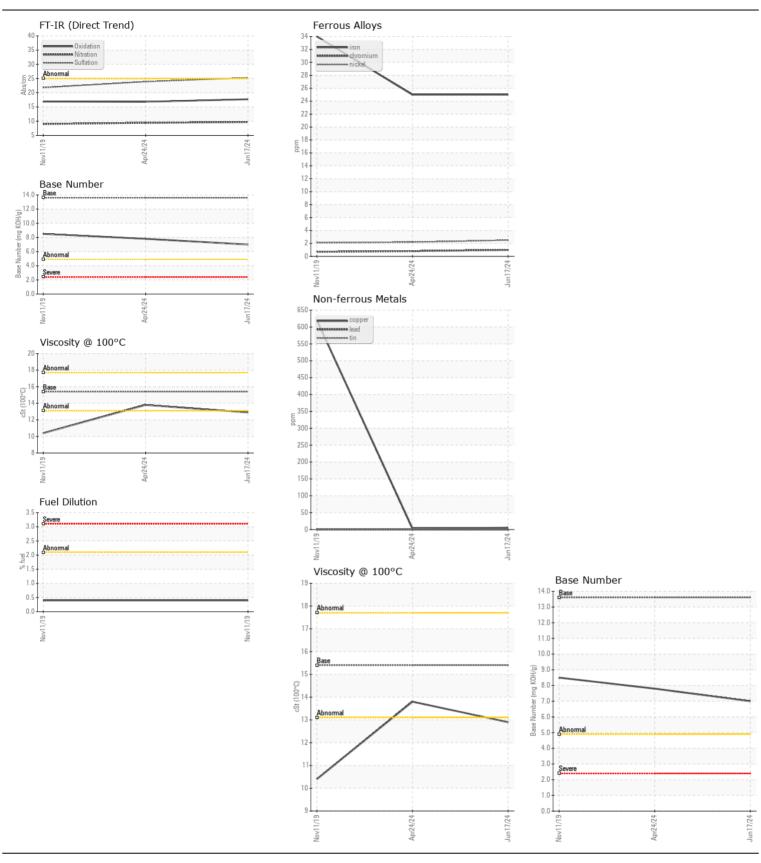
WEAR CONTAMINATION FLUID CONDITION **NORMAL NORMAL NORMAL**

[16W16457]

JOHN DEERE 748L 1DW748LBAKF697049

Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
HEOOMINIENDATION	Sample Number	COM	Client Info	Little	JR0217234	JR0177180	JR0028967
Resample at the next service interval to monitor. (Customer Sample Comment: 16W16457)	Sample Date		Client Info		17 Jun 2024	24 Apr 2024	11 Nov 2019
	Machine Age	hrs	Client Info		6084	5926	0
	Oil Age	hrs	Client Info		700	0	0
	Filter Age	hrs	Client Info		700	0	0
	Oil Changed	0	Client Info		Changed	Not Changd	Changed
	Filter Changed		Client Info		Changed	Ŭ	N/A
	Sample Status		Onone inio		NORMAL	NORMAL	ABNORMA
WEAR	Iron	ppm	ASTM D5185m	>51	25	25	34
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>11	1	<1	<1
	Nickel	ppm	ASTM D5185m	>5	2	2	2
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m	>3	<1	0	0
	Aluminum	ppm	ASTM D5185m	>31	6	6	6
	Lead	ppm	ASTM D5185m		0	0	0
	Copper	ppm	ASTM D5185m	>26	5	3	620
	Tin	ppm	ASTM D5185m		<1	<1	<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	>22	9	9	12
	Potassium	ppm	ASTM D5185m	>20	4	2	12
There is no indication of any contamination in the oil.	Fuel	%	ASTM D3524	>2.1	<1.0	<1.0	0.4
	Water		WC Method	>0.21	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.8	0.7	0.4
	Nitration	Abs/cm	*ASTM D7624		9.7	9.4	9
	Sulfation	Abs/.1mm	*ASTM D7415	>30	25.3	23.9	21.8
	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	4	2	8
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m		41	96	135
	Barium	ppm	ASTM D5185m		0	<1	0
	Molybdenum	ppm	ASTM D5185m		247	266	239
	Manganese	ppm	ASTM D5185m		1	<1	7
	Magnesium	ppm	ASTM D5185m		837	838	924
	Calcium	ppm	ASTM D5185m		1372	1468	1668
	Phosphorus	ppm	ASTM D5185m		890	933	1007
	Zinc	ppm	ASTM D5185m		1085	1109	1084
	Sulfur	ppm	ASTM D5185m		3306	3219	2775
	Oxidation	Abs/.1mm	*ASTM D7414	>25	17.7	16.8	16.9
	Base Number (BN)	mg KOH/g			7.0	7.8	8.5







Laboratory Sample No.

Lab Number : 06214370 Unique Number : 11087234

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0217234

Received **Tested** Diagnosed

: 19 Jun 2024 : 20 Jun 2024

: 21 Jun 2024 - Don Baldridge

JRE - CASTLE HAYNE 113 CROWATAN ROAD CASTLE HAYNE, NC US 28429-5819 Contact: WILMINGTON SHOP

Test Package : CONST (Additional Tests: FuelDilution, TBN) To discuss this sample report, contact Customer Service at 1-800-237-1369.

todd.simmons@jamesriverequipment.com;canastasio@wearcheck.com;canastasio@we T: (910)675-9211

* - 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)

F: