WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

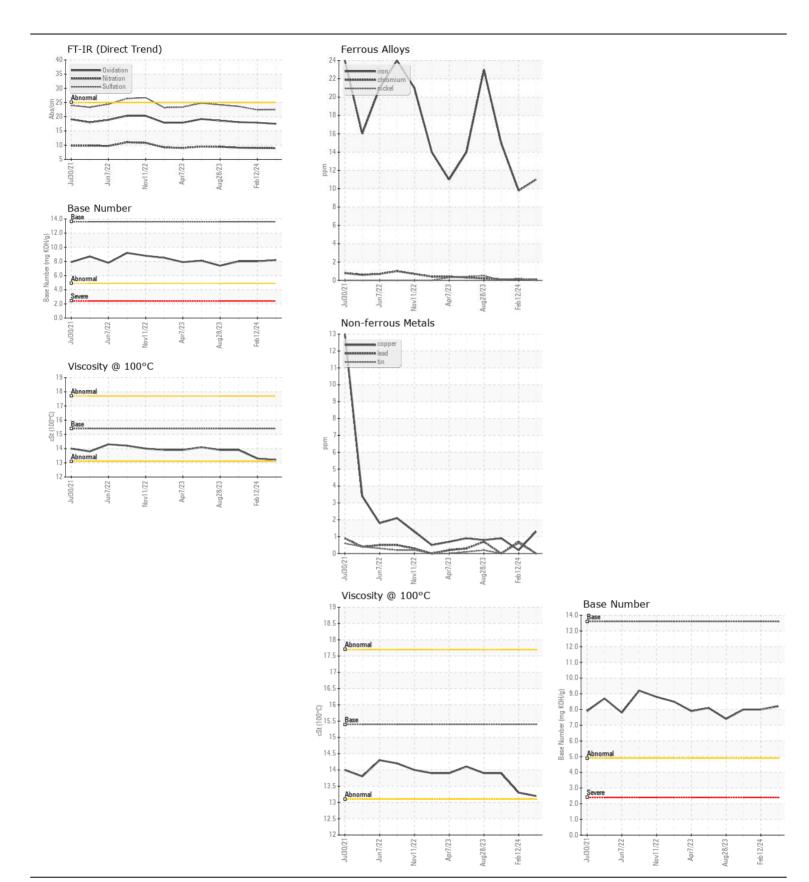
[05W45990]

JOHN DEERE 624L 1DW624LTLLF708606

Diesel Engine

JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (21 QTS)

RECOMMENDATION Test UOM Metho	al Limit/Abr	/		
	od Limit/Abr	Current	History1	History2
Sample Number Clien	Info	JR0211028	JR0203336	JR0195865
Resample at the next service interval to monitor. Sample Date Clien	Info	20 Apr 2024	12 Feb 2024	01 Dec 2023
Machine Age hrs Clien	Info	8049	7517	7041
Oil Age hrs Clien	Info	532	476	541
Filter Age hrs Clien	Info	532	476	541
Oil Changed Clien	Info	Changed	Changed	Changed
Filter Changed Clien	Info	Changed	Changed	Changed
Sample Status		NORMAL	NORMAL	NORMAL
WEAR Iron ppm ASTMI	5185m >51	11	10	15
Chromium ppm ASTMI	5185m >11	<1	<1	<1
All component wear rates are normal	5185m >5	0	<1	0
Titanium ppm ASTM D		0	0	0
	5185m >3	0	0	0
	5185m >31	5	5	6
	5185m >26	0	<1	0
	5185m >26	1	<1	<1
	5185m >4	0	<1	0
Vanadium ppm ASTMI		0	<1	0
White Metal scalar *Visu		NONE	NONE	NONE
Yellow Metal scalar *Visu	al NONE		NONE	NONE
CONTAMINATION Silicon ppm ASTM D	5185m >22	6	6	9
	5185m >20	2	4	10
There is no indication of any contamination in the oil	ethod >2.1	<1.0	<1.0	<1.0
	ethod >0.21	NEG	NEG	NEG
Glycol WC M		NEG	NEG	NEG
,	D7844 >3	0.4	0.4	0.5
Nitration Abs/cm *ASTM		8.9	9.0	9.1
	D7415 >30	22.5	22.4	23.6
Silt scalar *Visu			NONE	NONE
Debris scalar *Visu			NONE	NONE
Sand/Dirt scalar *Visu			NONE	NONE
Appearance scalar *Visu			NORML	NORML
Odor scalar *Visu			NORML	NORML
Emulsified Water scalar *Visu		NEG	NEG	NEG
THIR CONDITION	5405 04			
	5185m >31	102	2	<1
The BN result indicates that there is suitable alkalinity remaining in the Boron ppm ASTMI Barium ppm ASTMI		183 0	139 0	184
oil. The condition of the oil is suitable for further service				
Molybdenum ppm ASTMI Manganese ppm ASTMI		226	181	261
		<1	<1	
Magnesium ppm ASTM I Calcium ppm ASTM I		823 1432	680 1353	764 1411
			829	
Phosphorus ppm ASTMI Zinc ppm ASTMI		888		823
ZINC NOM ASIMI		1061 3345	966 2646	1027 3118
		3345	2040	3110
Sulfur ppm ASTM D		175	17.0	101
SulfurppmASTM IDOxidationAbs/.1mm*ASTM ID	D7414 >25	17.5	17.9	18.1
Sulfur ppm ASTM ID Oxidation Abs/.1mm *ASTM ID Base Number (BN) mg KOH/g ASTM	D7414 >25	17.5 8.2 13.2	17.9 8.0 13.3	18.1 8.0 13.9







Certificate L2367

Laboratory Sample No.

: JR0211028 Lab Number : 06158271 Unique Number: 10993694

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

Received **Tested** Diagnosed Test Package : CONST (Additional Tests: TBN)

: 23 Apr 2024 : 24 Apr 2024

: 24 Apr 2024 - Wes Davis

9107 OWENS DRIVE MANASSAS PARK, VA US 20111 Contact: DON VEST

dvest@jamesriverequipment.com T: (703)631-8500

JRE - MANASSAS PARK

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.

F: (703)631-4715 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)