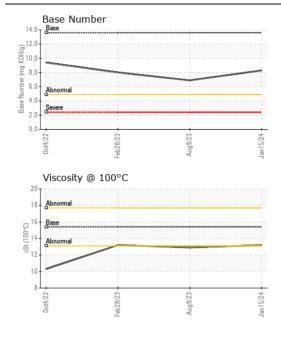
**WEAR CONTAMINATION FLUID CONDITION** 

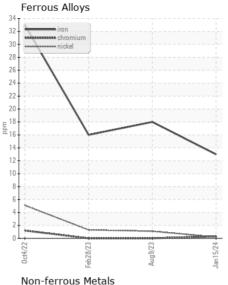
**NORMAL NORMAL** NORMAL

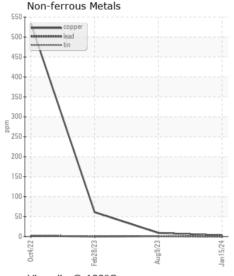
## JOHN DEERE 624 P 1DW624PATNLZ14642

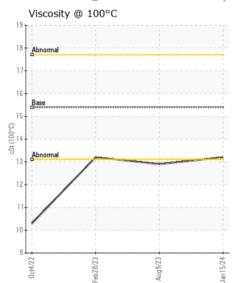
Component Diesel Engine

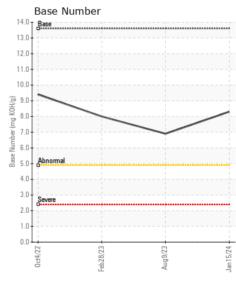
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		JR0198420	JR0177392	JR0156034
	Sample Date		Client Info		15 Jan 2024	09 Aug 2023	28 Feb 2023
	Machine Age	hrs	Client Info		2317	1726	1027
	Oil Age	hrs	Client Info		591	699	500
	Filter Age	hrs	Client Info		0	0	500
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	ABNORMA
VEAR	Iron	ppm	ASTM D5185m	>51	13	18	16
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>11	<1	0	0
	Nickel	ppm	ASTM D5185m	>5	<1	1	1
	Titanium	ppm	ASTM D5185m		0	<1	0
	Silver	ppm	ASTM D5185m	>3	0	<1	0
	Aluminum	ppm	ASTM D5185m		3	2	2
	Lead	ppm	ASTM D5185m		0	<1	0
	Copper	ppm	ASTM D5185m	>26	3	9	<b>6</b> 1
	Tin	ppm	ASTM D5185m		0	<1	0
	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	>22	9	7	5
	Potassium	ppm	ASTM D5185m		3	2	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	7 0.2 .	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.2	0.3	0.4
	Nitration	Abs/cm	*ASTM D7624	>20	9.1	8.8	9.0
	Sulfation	Abs/.1mm	*ASTM D7415		22.0	23.6	22.3
	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		*Visual	>0.21	NEG	NEG	NEG
LUID CONDITION	Sodium	nnm	ASTM D5185m	<b>√</b> 21	0	0	<1
LOID CONDITION	Boron	ppm	ASTM D5185m	<i>&gt;</i> 01	231	129	188
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		4	3	1
	Molybdenum	ppm	ASTM D5185m		258	269	248
	Manganese	ppm	ASTM D5185m		0	<1	0
	Magnesium	ppm	ASTM D5185m		861	781	716
	Calcium	ppm	ASTM D5185m		1388	1498	1417
	Phosphorus	ppm	ASTM D5185m		926	832	846
	Zinc	ppm	ASTM D5185m		1108	1032	1045
	Sulfur	ppm	ASTM D5185m		3503	3093	2823
	Oxidation	Abs/.1mm	*ASTM D3163111	>25	16.1	17.3	16.3
	Base Number (BN)		ASTM D2896		8.3	6.9	8.0
	Dase Mullipel (DIV)	IIIg NON/g	40 LINI D5020	10.0	0.0	0.5	0.0













Laboratory Sample No. Lab Number

Unique Number : 10835420

: JR0198420 : 06064038

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 18 Jan 2024

Diagnosed : 19 Jan 2024 Diagnostician : Wes Davis

Test Package : CONST ( 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) **CARLTON'S BACKHOE** 

9550 STATESVILLE ROAD CHARLOTTE, NC US 28269

Contact: LEO

T: (704)547-0211 F: