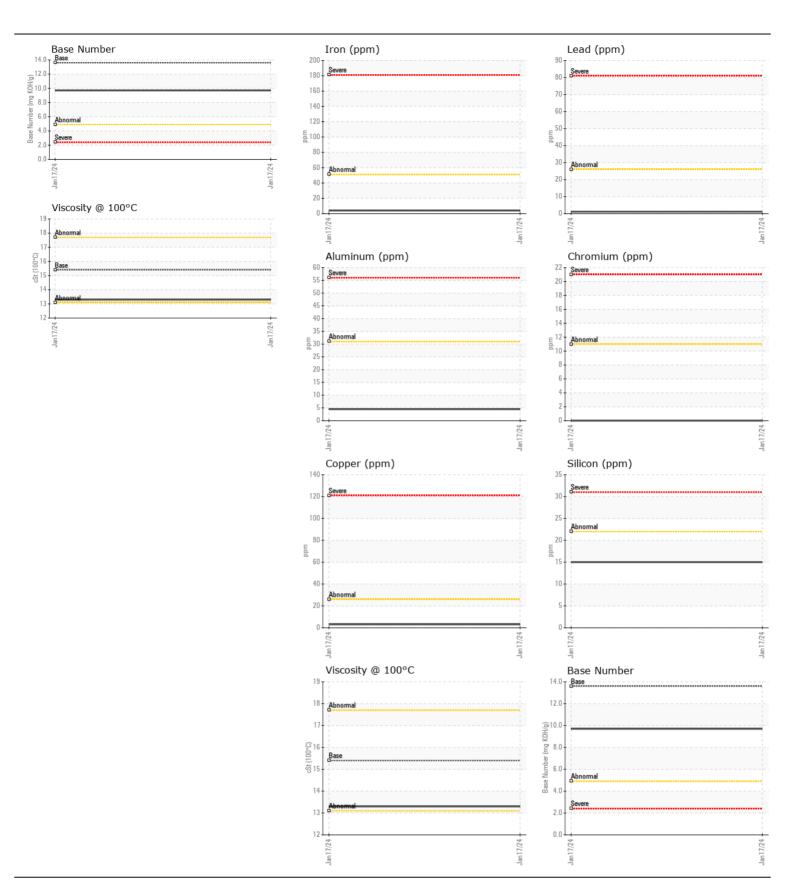
**WEAR** CONTAMINATION **FLUID CONDITION** 

**NORMAL NORMAL** NORMAL

## JOHN DEERE 2032R 51000290

Component Diesel Engine

ECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History
Resample at the next service interval to monitor.	Sample Number		Client Info		JR0158848		
	Sample Date		Client Info		17 Jan 2024		
	Machine Age	hrs	Client Info		143		
	Oil Age	hrs	Client Info		0		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				NORMAL		
FAR	Iron	nnm	ASTM D5185m	<u> </u>	4		
WEAR	Chromium	ppm	ASTM D5185m		0		
Metal levels are typical for a new component breaking in.	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m	>0	0		
		ppm		. 0	-		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m		4		
	Lead	ppm	ASTM D5185m		1		
	Copper	ppm	ASTM D5185m		3		
	Tin	ppm	ASTM D5185m	>4	<1		
	Vanadium	ppm	ASTM D5185m	NONE	<1 NONE		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
ONTAMINATION	Silicon	ppm	ASTM D5185m	>22	15		
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	3		
	Fuel		WC Method	>2.1	<1.0		
	Water		WC Method	>0.21	NEG		
	Glycol		WC Method		NEG		
	Soot %	%	*ASTM D7844	>3	0.1		
	Nitration	Abs/cm	*ASTM D7624	>20	6.5		
	Sulfation	Abs/.1mm	*ASTM D7415	>30	19.3		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	<b>Emulsified Water</b>	scalar	*Visual	>0.21	NEG		
LUD CONDITION	0 - 45		AOTM DEADE	04			
LUID CONDITION	Sodium	ppm	ASTM D5185m	>31	1		
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		270		
	Barium	ppm	ASTM D5185m		<1		
	Molybdenum	ppm	ASTM D5185m		245		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		796		
	Calcium	ppm	ASTM D5185m		1320		
	Phosphorus	ppm	ASTM D5185m		940		
	Zinc	ppm	ASTM D5185m		1089		
	Sulfur	ppm	ASTM D5185m	0.5	3052		
	Oxidation	Abs/.1mm	*ASTM D7414		14.7 9.7		
	Base Number (BN)						





Laboratory Sample No. Lab Number **Unique Number** 

: 06064977 : 10836359

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0158848 Recieved : 18 Jan 2024 : 19 Jan 2024 Diagnosed Diagnostician : Wes Davis

Test Package : MOBCE ( Additional Tests: TBN )

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Contact: MIKE JENKINS MIKE.JENKINS@JAMESRIVEREQUIPMENT.COM

T: (540)292-3494 F: (540)337-1495 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

JRE - FISHERSVILLE

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