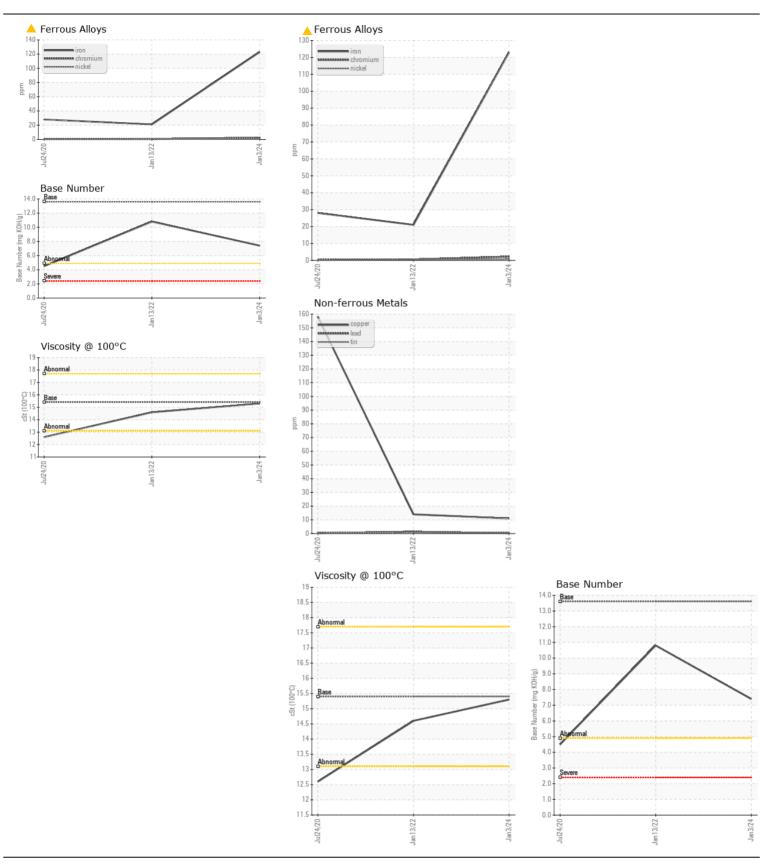
**WEAR** CONTAMINATION **FLUID CONDITION**  **ABNORMAL NORMAL NORMAL** 

## [LARRY ROYSTON]

## JOHN DEERE 325G 1T0325GMVKJ355280

Component Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Number		Client Info		JR0195648	JR0112199	JR005225
	Sample Date		Client Info		03 Jan 2024	13 Jan 2022	24 Jul 202
	Machine Age	hrs	Client Info		1508	801	255
	Oil Age	hrs	Client Info		0	161	255
	Filter Age	hrs	Client Info		0	161	255
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	N/A	Changed
	Sample Status				ABNORMAL	NORMAL	ABNORMA
VEAR	Iron	ppm	ASTM D5185m	>51	<b>123</b>	21	28
	Chromium	ppm	ASTM D5185m	>11	2	<1	<1
Cylinder, crank, or cam shaft wear is indicated.	Nickel	ppm	ASTM D5185m		<1	<1	0
	Titanium	ppm	ASTM D5185m		<1	<1	<1
	Silver	ppm	ASTM D5185m	>3	0	1	1
	Aluminum	ppm	ASTM D5185m		19	4	<1
	Lead	ppm	ASTM D5185m		<1	1	<1
	Copper	ppm	ASTM D5185m		11	14	<u></u> 158
	Tin	ppm	ASTM D5185m	>4	<1	<1	<1
	Vanadium	ppm	ASTM D5185m		0	<1	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NON
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NON
ONTAMINATION	Silicon	ppm	ASTM D5185m	>22	19	13	36
	Potassium	ppm	ASTM D5185m	>20	4	2	2
There is no indication of any contamination in the oil.	Fuel		WC Method	>2.1	<1.0	<1.0	<1.0
	Water		WC Method	>0.21	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	2	0.5	0
	Nitration	Abs/cm	*ASTM D7624	>20	14.5	9.0	4.4
	Sulfation	Abs/.1mm	*ASTM D7415	>30	35.8	23.8	20.7
	Silt	scalar	*Visual	NONE	NONE	NONE	NON
	Debris	scalar	*Visual	NONE	NONE	NONE	NON
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NON
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORN
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water	scalar	*Visual	>0.21	NEG	NEG	NEG
LUID CONDITION	Sodium	ppm	ASTM D5185m	>31	9	2	12
	Boron	ppm	ASTM D5185m		93	239	271
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	2
	Molybdenum	ppm	ASTM D5185m		246	258	232
	Manganese	ppm	ASTM D5185m		1	<1	1
	Magnesium	ppm	ASTM D5185m		817	835	725
	Calcium	ppm	ASTM D5185m		1516	1519	1478
	Phosphorus	ppm	ASTM D5185m		1159	908	807
	Zinc	ppm	ASTM D5185m		1100	1148	1029
	Sulfur	ppm	ASTM D5185m		5105	3044	2498
	Ovidation	Abs/.1mm	*ASTM D7414	<b>\25</b>	34.8	17.7	9.2
	Oxidation	AU5/. 1111111	AOTIVI D7414	720	7.4	17.7	0.2







Laboratory

Sample No. Lab Number **Unique Number** 

: JR0195648 : 06055715 : 10821664

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

: 09 Jan 2024 : 10 Jan 2024 Diagnostician

: Jonathan Hester 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)

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