

## Machine Id JOHN DEERE 331G 1T0331GKKPF449962 Component Diesel Engine Fluid

{not provided} (--- GAL)

DECOMMENDATION		Teet		Mathad	Limit/Abn	Cummont	Llistond	Liston ()
RECOMMENDATION		Test	UOM	Method	Limit/Abn	Current JR0192756	History1	History2
Oil and filter change at the time of sampling has		Sample Number Sample Date		Client Info Client Info		21 Feb 2024		
corrective action is recommended at this time.		Machine Age	hrs	Client Info		406		
service interval to monitor.		Oil Age	hrs	Client Info		406		
		Filter Age	hrs	Client Info		400		
		Oil Changed	1115	Client Info		0 Changed		
		Filter Changed		Client Info		Changed		
		Sample Status		Olient Into		ABNORMAL		
		Sample Status						
WEAR The copper level is abnormal. In the absence of		Iron	ppm	ASTM D5185m	>51	34		
		Chromium	ppm	ASTM D5185m	>11	<1		
		Nickel	ppm	ASTM D5185m	>5	<1		
metals, suspect copper due to sources other that		Titanium	ppm	ASTM D5185m		<1		
in.		Silver	ppm	ASTM D5185m	>3	0		
		Aluminum	ppm	ASTM D5185m	>31	6		
		Lead	ppm	ASTM D5185m	>26	2		
		Copper	ppm	ASTM D5185m	>26	🔺 177		
		Tin	ppm	ASTM D5185m	>4	<1		
		Vanadium	ppm	ASTM D5185m		<1		
		White Metal	scalar	*Visual	NONE	NONE		
		Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION		Silicon	ppm	ASTM D5185m		<b>▲</b> 46		
Elemental level of silicon (Si) above normal indi material.	mal indicating ingress of seal	Potassium	ppm	ASTM D5185m		2		
		Fuel		WC Method		<1.0		
		Water		WC Method	>0.21	NEG		
		Glycol	0/	WC Method	0	NEG		
		Soot %	%	*ASTM D7844		0.3 10.0		
		Nitration Sulfation	Abs/cm Abs/.1mm	*ASTM D7624 *ASTM D7415	>20 >30			
		Silt		*Visual	NONE	27.8 NONE		
		Debris	scalar scalar	*Visual	NONE	NONE		
		Sand/Dirt	scalar	*Visual	NONE	NONE		
		Appearance	scalar	*Visual	NORML	NORML		
		Odor	scalar	*Visual	NORML	NORML		
		Emulsified Water		*Visual	>0.21	NEG		
			304141	VISUAI	20.21			
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>31	7			
The BN result indicates that there is suitable alkalinity remain		Boron	ppm	ASTM D5185m		185		
		Barium	ppm	ASTM D5185m		4		
oil. The condition of the oil is suitable for further		Molybdenum	ppm	ASTM D5185m		232		
		Manganese	ppm	ASTM D5185m		2		
		Magnesium	ppm	ASTM D5185m		782		
		Calcium	ppm	ASTM D5185m		1859		
		Phosphorus	ppm	ASTM D5185m		915		
		Zinc	ppm	ASTM D5185m		1138		
		Sulfur	ppm	ASTM D5185m		3020		

Abs/.1mm \*ASTM D7414 >25

ASTM D445

Base Number (BN) mg KOH/g ASTM D2896

Oxidation

Visc @ 100°C cSt

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25.7

7.1

12.6



CARLTON'S BACKHOE Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : JR0192756 Received : 23 Feb 2024 9550 STATESVILLE ROAD Lab Number : 06098884 Tested : 26 Feb 2024 CHARLOTTE, NC Unique Number : 10897114 Diagnosed : 26 Feb 2024 - Don Baldridge US 28269 Test Package : CONST (Additional Tests: TBN) Contact: LEO Certificate L2367 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. T: (704)547-0211 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F:

Report Id: CARCHAJR [WUSCAR] 06098884 (Generated: 02/26/2024 16:16:16) Rev: 1