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

**NORMAL NORMAL** NORMAL

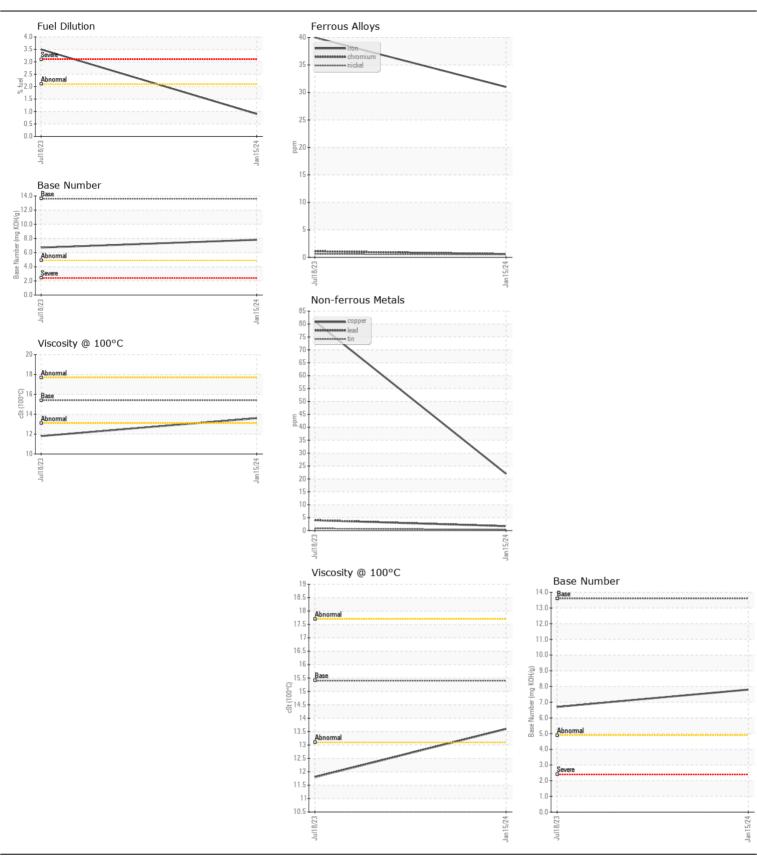
[W49170]

## JOHN DEERE 318G 1T0318GKCNJ425763

Component Diesel Engine

ECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History
No corrective action is recommended at this time. Resample at the next service interval to monitor.	Sample Number		Client Info		JR0200144	JR0164964	
	Sample Date		Client Info		15 Jan 2024	18 Jul 2023	
	Machine Age	hrs	Client Info		943	471	
	Oil Age	hrs	Client Info		0	0	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		Changed	Changed	
	Filter Changed		Client Info		Changed	Changed	
	Sample Status				NORMAL	ABNORMAL	
EAR	Iron	ppm	ASTM D5185m	<u></u>	31	40	
WEAR	Chromium	ppm	ASTM D5185m		<1	1	
Metal levels are typical for a new component breaking in.	Nickel		ASTM D5185m		<1	<1	
	Titanium	ppm	ASTM D5185m	>5	0	0	
	Silver		ASTM D5185m	. 2	0	0	
	Aluminum	ppm	ASTM D5185m		6	6	
	Lead	ppm	ASTM D5185m	>26	2	4	
	Copper	ppm	ASTM D5185m		22	4 <u>A</u> 81	
	Tin	ppm	ASTM D5185m		<1	<1	
	Vanadium	ppm	ASTM D5185m	>4	<1 <1	<1	
	White Metal	ppm	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
<u></u>	Tellow Metal	scalar	VISUAI	NONE	NONE	INOINE	
ONTAMINATION	Silicon	ppm	ASTM D5185m	>22	20	52	
Fuel content negligible. There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	<1	3	
	Fuel	%	ASTM D3524	>2.1	0.9	<b>△</b> 3.5	
	Water		WC Method	>0.21	NEG	NEG	
	Glycol		WC Method		NEG	NEG	
	Soot %	%	*ASTM D7844	>3	0.5	0.4	
	Nitration	Abs/cm	*ASTM D7624	>20	9.9	9.8	
	Sulfation	Abs/.1mm	*ASTM D7415	>30	24.8	26.5	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	<b>Emulsified Water</b>	scalar	*Visual	>0.21	NEG	NEG	
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Codium		ACTM DE10Em	. 01	4	15	
	Sodium Boron	ppm	ASTM D5185m ASTM D5185m	>31	4 180	15 214	
		ppm					
	Barium	ppm	ASTM D5185m		0	0	
	Molybdenum	ppm	ASTM D5185m		249	257	
	Manganese	ppm	ASTM D5185m		<1	2	
	Magnesium	ppm	ASTM D5185m		825	770	
	Calcium	ppm	ASTM D5185m		1560	1877	
	Phosphorus	ppm	ASTM D5185m		817	865	
	Zinc	ppm	ASTM D5185m		1093	1105	
	Sulfur	ppm	ASTM D5185m	0.5	3005	3897	
	Oxidation	Abs/.1mm	*ASTM D7414		21.2	24.2	
	Base Number (BN)	mg KOH/g	<b>ASTM D2896</b>	13.6	7.8	6.7	

Contact/Location: DAVID ZIEG - JAMASH





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

: JR0200144 : 06062516 : 10833898

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 17 Jan 2024 Diagnosed : 19 Jan 2024 Diagnostician : Wes Davis

**Test Package**: CONST (Additional Tests: PercentFuel, 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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Contact/Location: DAVID ZIEG - JAMASH