



WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Area

**[W21154-GRAHAM]**

Machine Id

**JOHN DEERE 2025R 1LV2025RJDH110981**

Component

**Diesel Engine**

Fluid

**{not provided} (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0190445</b>	JR0163993	---
Sample Date		Client Info		<b>20 Feb 2024</b>	23 Mar 2023	---
Machine Age	hrs	Client Info		<b>480</b>	471	---
Oil Age	hrs	Client Info		<b>0</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	Changed	---
Filter Changed		Client Info		<b>Changed</b>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

### WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185m	>51	<b>2</b>	10	---
Chromium	ppm	ASTM D5185m	>11	<b>0</b>	<1	---
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>31	<b>3</b>	5	---
Lead	ppm	ASTM D5185m	>26	<b>0</b>	0	---
Copper	ppm	ASTM D5185m	>26	<b>&lt;1</b>	<1	---
Tin	ppm	ASTM D5185m	>4	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

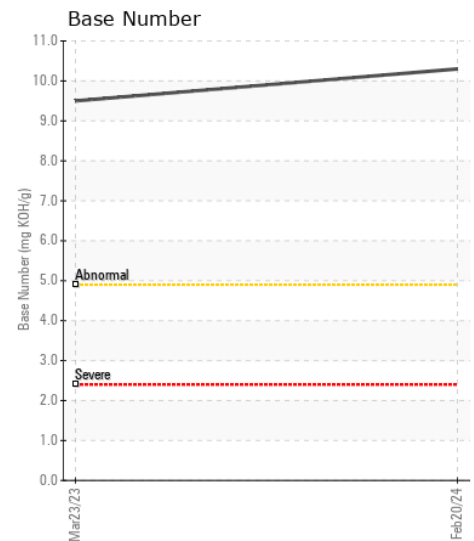
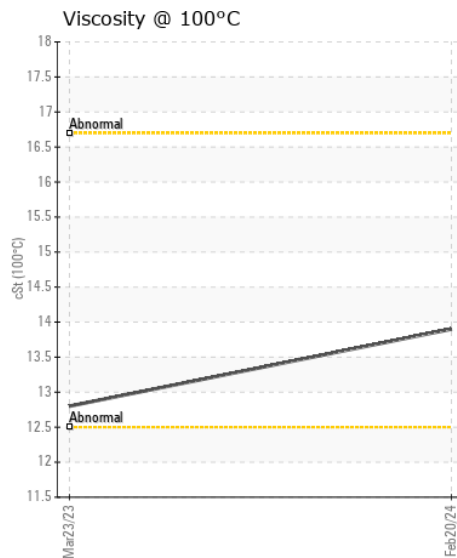
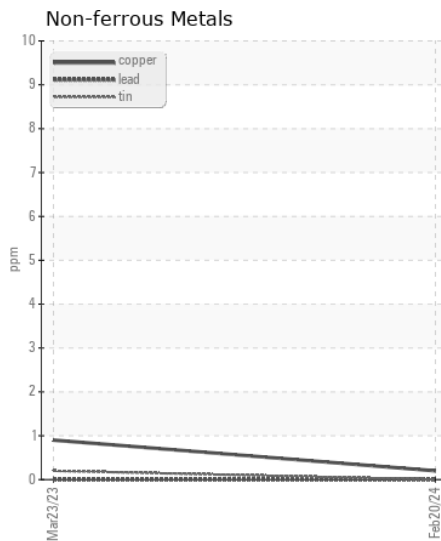
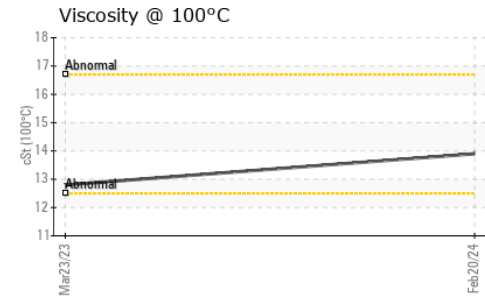
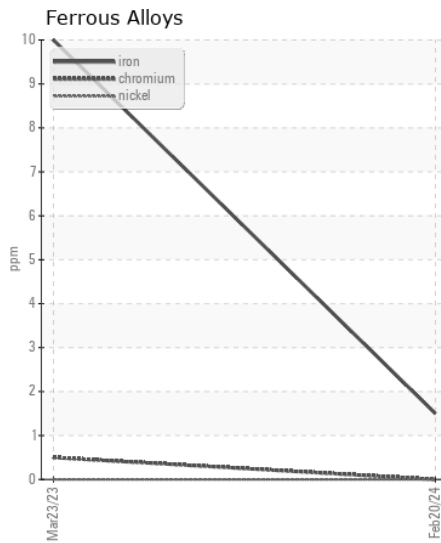
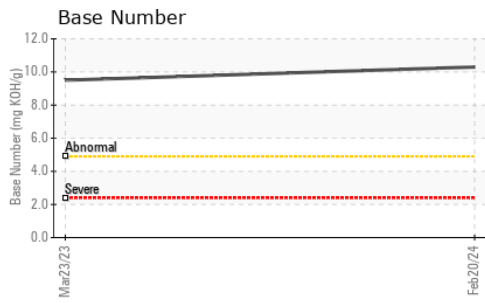
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>22	<b>21</b>	11	---
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	5	---
Fuel		WC Method	>2.1	<b>&lt;1.0</b>	<1.0	---
Water		WC Method	>0.21	<b>NEG</b>	NEG	---
Glycol		WC Method		<b>NEG</b>	NEG	---
Soot %	%	*ASTM D7844	>3	<b>0.1</b>	0.3	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>6.0</b>	8.2	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>19.1</b>	20.9	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.21	<b>NEG</b>	NEG	---

### FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m	>31	<b>2</b>	3	---
Boron	ppm	ASTM D5185m		<b>296</b>	227	---
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>240</b>	240	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	1	---
Magnesium	ppm	ASTM D5185m		<b>784</b>	813	---
Calcium	ppm	ASTM D5185m		<b>1401</b>	1482	---
Phosphorus	ppm	ASTM D5185m		<b>867</b>	839	---
Zinc	ppm	ASTM D5185m		<b>972</b>	1077	---
Sulfur	ppm	ASTM D5185m		<b>2877</b>	3201	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>13.9</b>	15.6	---
Base Number (BN)	mg KOH/g	ASTM D2896		<b>10.3</b>	9.5	---
Visc @ 100°C	cSt	ASTM D445		<b>13.9</b>	12.8	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0190445 **Received** : 26 Feb 2024  
**Lab Number** : 06099564 **Tested** : 27 Feb 2024  
**Unique Number** : 10897794 **Diagnosed** : 27 Feb 2024 - 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)

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