



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

Machine Id  
**JOHN DEERE 338952**  
 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>JR0214268</b>	JR0069858	---
Sample Date		Client Info		<b>17 Apr 2024</b>	17 Dec 2020	---
Machine Age	hrs	Client Info		<b>693</b>	318	---
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>	Changed	---
Sample Status				<b>NORMAL</b>	ABNORMAL	---

### WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185m	>51	<b>8</b>	18	---
Chromium	ppm	ASTM D5185m	>11	<b>1</b>	<1	---
Nickel	ppm	ASTM D5185m	>5	<b>1</b>	0	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m	>3	<b>&lt;1</b>	2	---
Aluminum	ppm	ASTM D5185m	>31	<b>8</b>	0	---
Lead	ppm	ASTM D5185m	>26	<b>1</b>	<1	---
Copper	ppm	ASTM D5185m	>26	<b>5</b>	▲ 108	---
Tin	ppm	ASTM D5185m	>4	<b>1</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

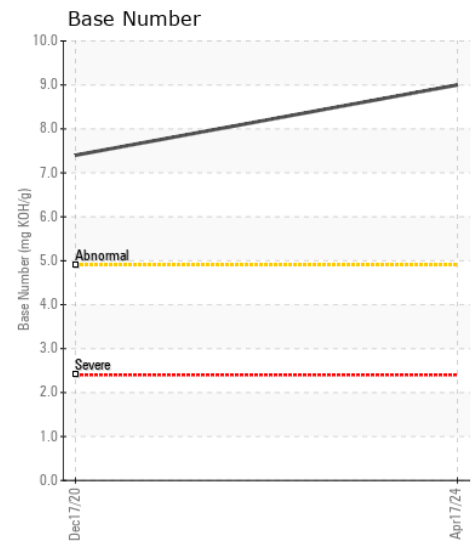
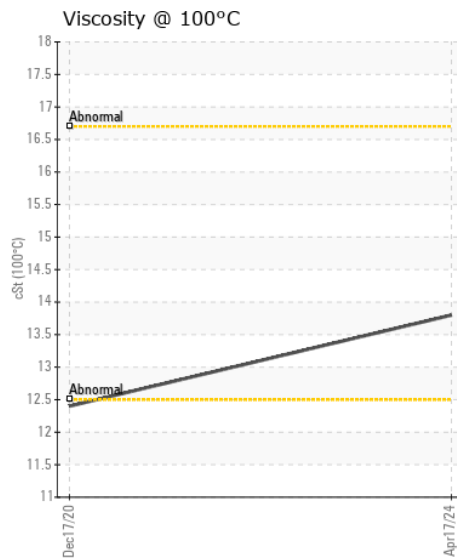
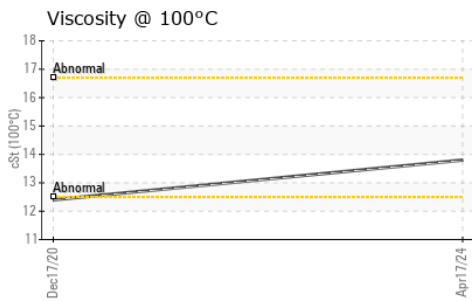
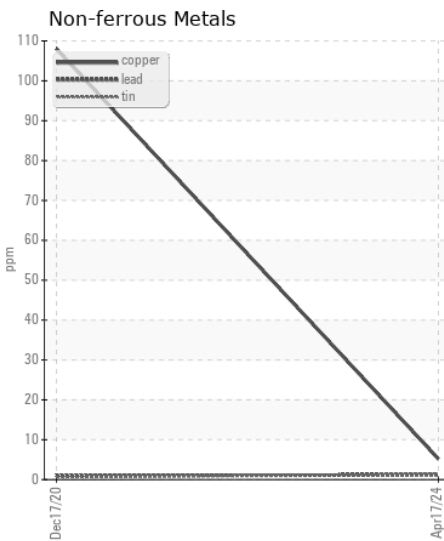
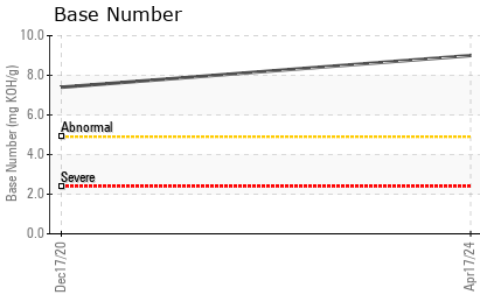
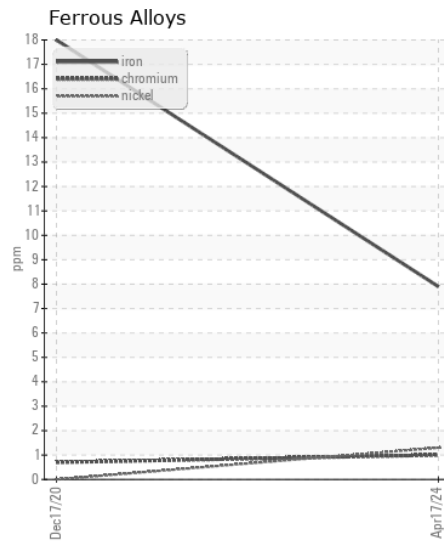
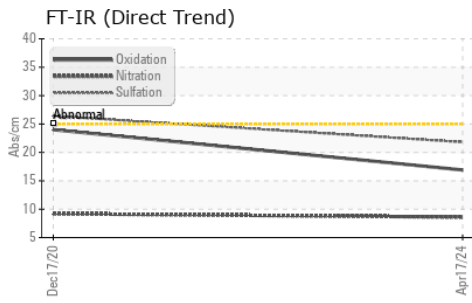
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>22	<b>13</b>	49	---
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	2	---
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>0.2</b>	0.3	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>8.6</b>	9.2	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>21.8</b>	26.4	---
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>1</b>	10	---
Boron	ppm	ASTM D5185m		<b>274</b>	202	---
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	2	---
Molybdenum	ppm	ASTM D5185m		<b>241</b>	227	---
Manganese	ppm	ASTM D5185m		<b>1</b>	1	---
Magnesium	ppm	ASTM D5185m		<b>758</b>	725	---
Calcium	ppm	ASTM D5185m		<b>1373</b>	1645	---
Phosphorus	ppm	ASTM D5185m		<b>925</b>	880	---
Zinc	ppm	ASTM D5185m		<b>1022</b>	967	---
Sulfur	ppm	ASTM D5185m		<b>3282</b>	2848	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>16.9</b>	24	---
Base Number (BN)	mg KOH/g	ASTM D2896		<b>9.0</b>	7.4	---
Visc @ 100°C	cSt	ASTM D445		<b>13.8</b>	12.4	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : JR0214268

**Lab Number** : 06152882

**Unique Number** : 10982960

**Test Package** : CONST ( Additional Tests: TBN )

**Received** : 18 Apr 2024

**Tested** : 19 Apr 2024

**Diagnosed** : 19 Apr 2024 - Wes Davis

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)

**JRE - NEW BERN**

3816 MARTIN LUTHER KING BLVD

NEW BERN, NC

US 28562

Contact: NEW BERN SHOP

nick.etherdridge@jamesriverequipment.com; canastasio@wearcheckusa.com

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