



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

Machine Id  
**JOHN DEERE 1T0333GMKLF388247**  
 Component  
**Right Final Drive**  
 Fluid  
**GEAR OIL LS 80W90 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0166920</b>	JR0140511	---
Sample Date		Client Info		<b>14 Feb 2024</b>	21 Dec 2022	---
Machine Age	hrs	Client Info		<b>1021</b>	613	---
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>	N/A	---
Filter Changed		Client Info		<b>Changed</b>	N/A	---
Sample Status				<b>NORMAL</b>	ABNORMAL	---

### WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>64</b>	83	---
Iron	ppm	ASTM D5185m	>750	<b>494</b>	650	---
Chromium	ppm	ASTM D5185m	>9	<b>11</b>	5	---
Nickel	ppm	ASTM D5185m	>10	<b>1</b>	0	---
Titanium	ppm	ASTM D5185m		<b>1</b>	2	---
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
Aluminum	ppm	ASTM D5185m	>40	<b>2</b>	▲ 34	---
Lead	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185m	>40	<b>2</b>	1	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	LIGHT	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

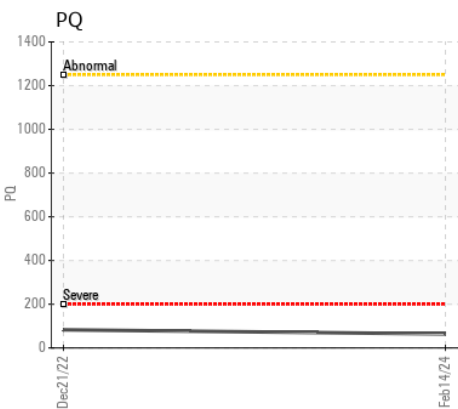
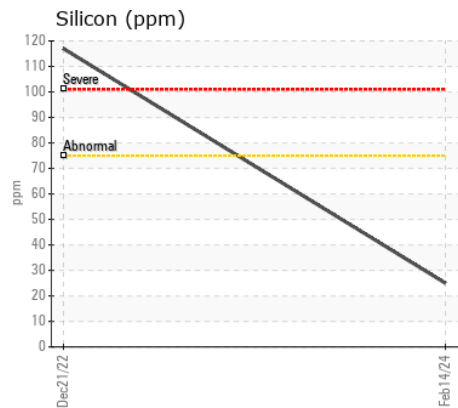
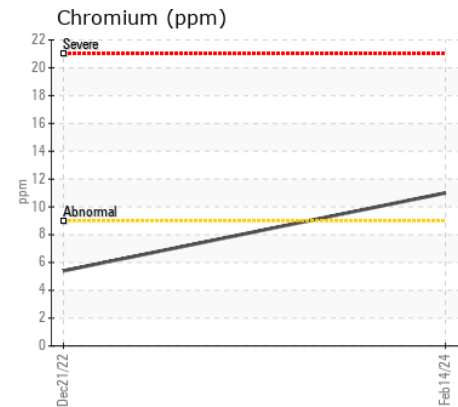
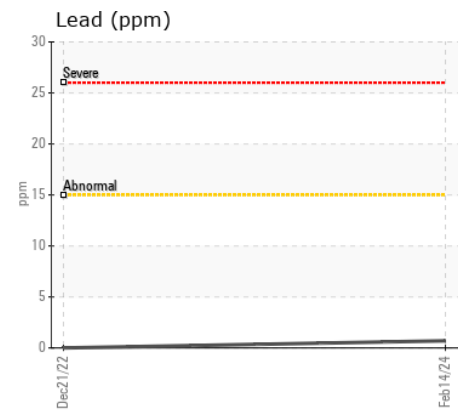
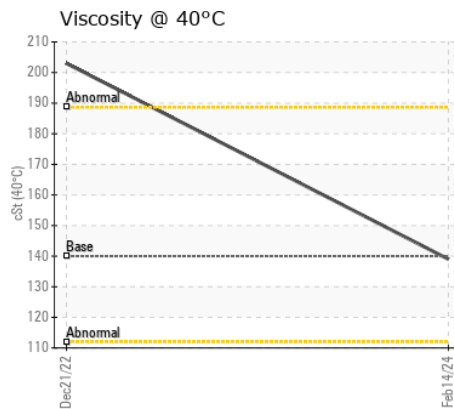
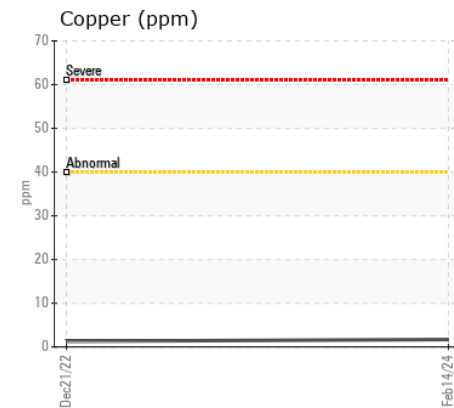
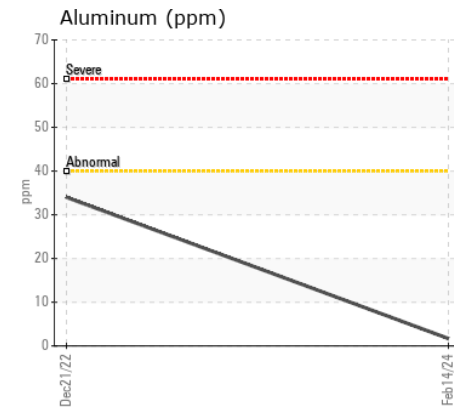
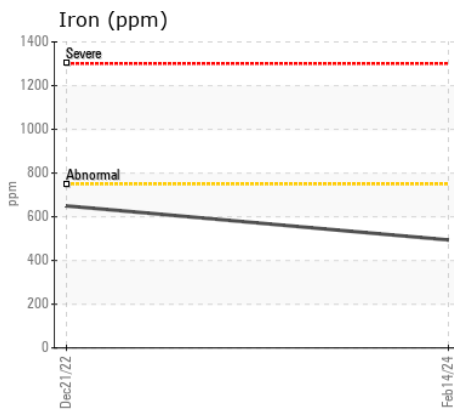
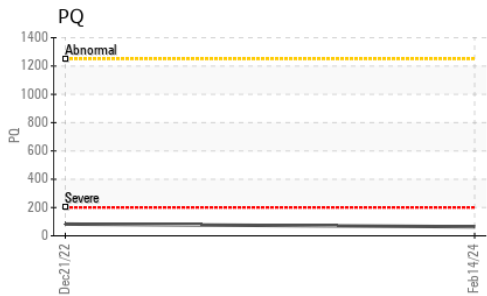
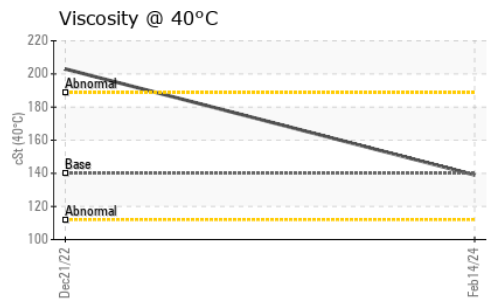
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>25</b>	▲ 117	---
Potassium	ppm	ASTM D5185m	>20	<b>19</b>	16	---
Water		WC Method	>0.075	<b>NEG</b>	NEG	---
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	>0.075	<b>NEG</b>	NEG	---

### FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	<b>2</b>	3	---
Boron	ppm	ASTM D5185m	150	<b>1</b>	464	---
Barium	ppm	ASTM D5185m		<b>52</b>	<1	---
Molybdenum	ppm	ASTM D5185m		<b>2</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>6</b>	5	---
Magnesium	ppm	ASTM D5185m	10	<b>9</b>	803	---
Calcium	ppm	ASTM D5185m	70	<b>22</b>	207	---
Phosphorus	ppm	ASTM D5185m	2000	<b>250</b>	1444	---
Zinc	ppm	ASTM D5185m	50	<b>11</b>	102	---
Sulfur	ppm	ASTM D5185m	20000	<b>18981</b>	24248	---
Visc @ 40°C	cSt	ASTM D445	140	<b>139</b>	203	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0166920 **Received** : 22 Feb 2024  
**Lab Number** : 06097974 **Tested** : 23 Feb 2024  
**Unique Number** : 10896204 **Diagnosed** : 25 Feb 2024 - Don Baldrige  
**Test Package** : MOBCE ( Additional Tests: PQ )

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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)