



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

Area  
**[W20636-BRIDGEFORTH]**  
 Machine Id  
**JOHN DEERE 4038R 1N04038RPHB184008**  
 Component  
**Hydraulic System**  
 Fluid  
**10W30 TORQ GUARD (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0190490</b>	JR0082080	---
Sample Date		Client Info		<b>24 Jan 2024</b>	19 Mar 2021	---
Machine Age	hrs	Client Info		<b>1134</b>	613	---
Oil Age	hrs	Client Info		<b>0</b>	200	---
Filter Age	hrs	Client Info		<b>0</b>	200	---
Oil Changed		Client Info		<b>Not Chngd</b>	Not Chngd	---
Filter Changed		Client Info		<b>Not Chngd</b>	Changed	---
Sample Status				<b>NORMAL</b>	ABNORMAL	---

### WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185m	>20	<b>5</b>	7	---
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	<1	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Aluminum	ppm	ASTM D5185m	>10	<b>2</b>	0	---
Lead	ppm	ASTM D5185m	>10	<b>1</b>	2	---
Copper	ppm	ASTM D5185m	>75	<b>9</b>	13	---
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	---
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

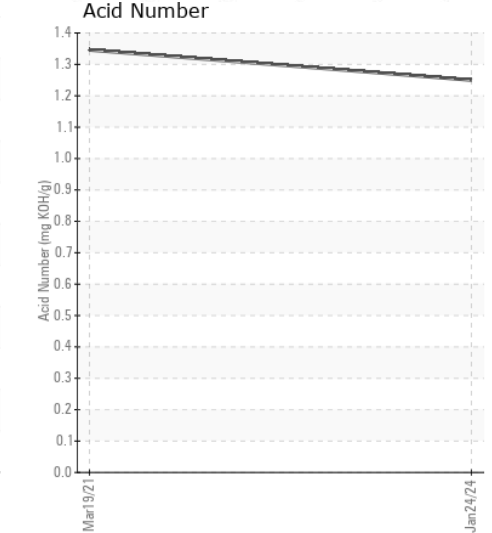
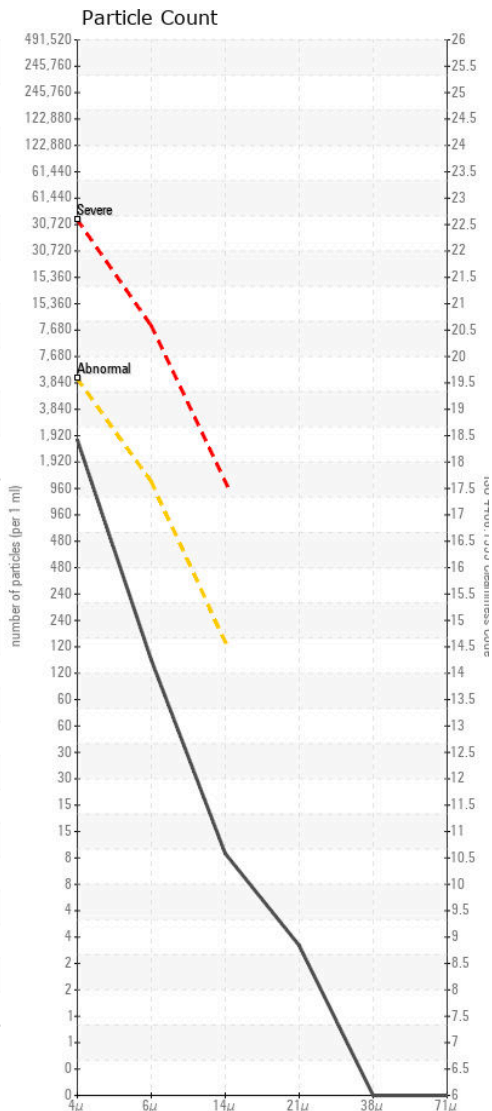
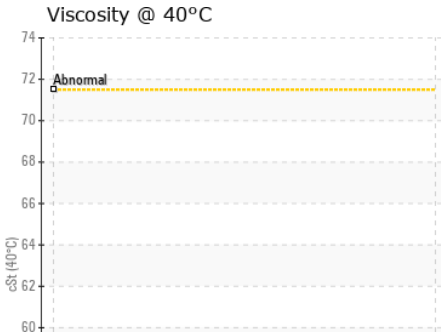
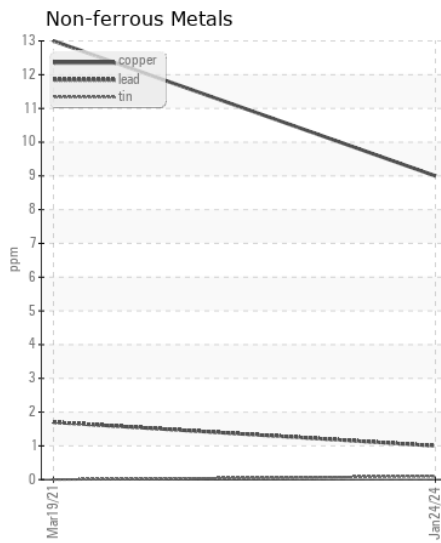
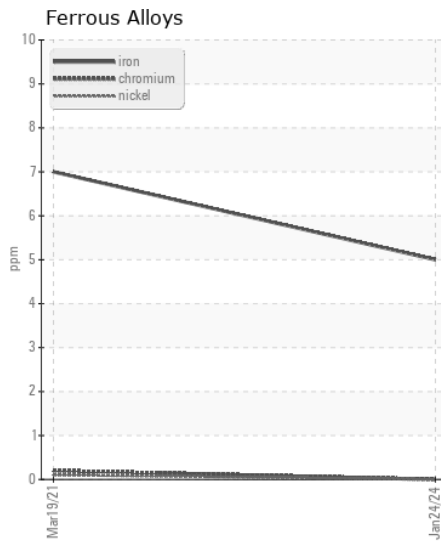
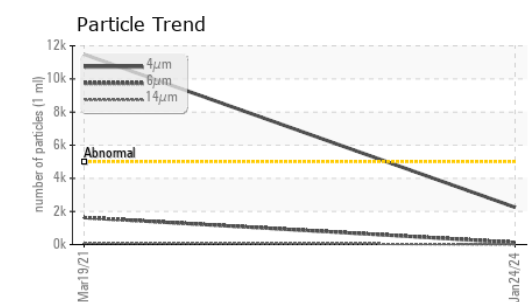
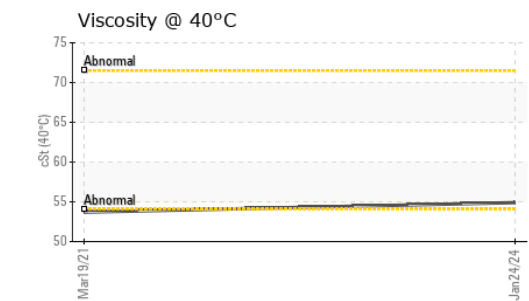
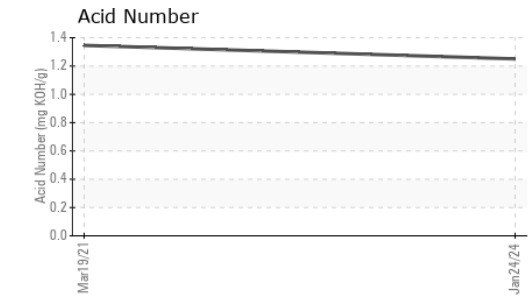
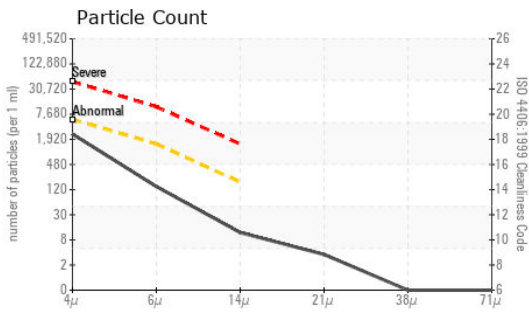
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185m	>20	<b>5</b>	3	---
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	3	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
Particles >4µm		ASTM D7647	>5000	<b>2251</b>	▲ 11485	---
Particles >6µm		ASTM D7647	>1300	<b>126</b>	▲ 1630	---
Particles >14µm		ASTM D7647	>160	<b>10</b>	91	---
Particles >21µm		ASTM D7647	>40	<b>3</b>	21	---
Particles >38µm		ASTM D7647	>10	<b>0</b>	2	---
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>18/14/10</b>	▲ 21/18/14	---
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	>0.1	<b>NEG</b>	NEG	---

### FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		<b>&lt;1</b>	1	---
Boron	ppm	ASTM D5185m		<b>73</b>	29	---
Barium	ppm	ASTM D5185m		<b>1</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>129</b>	10	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m		<b>334</b>	238	---
Calcium	ppm	ASTM D5185m		<b>1765</b>	2351	---
Phosphorus	ppm	ASTM D5185m		<b>745</b>	986	---
Zinc	ppm	ASTM D5185m		<b>932</b>	1172	---
Sulfur	ppm	ASTM D5185m		<b>2530</b>	2963	---
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>1.25</b>	1.346	---
Visc @ 40°C	cSt	ASTM D445		<b>54.9</b>	53.7	---



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0190490 **Received** : 01 Feb 2024  
**Lab Number** : 06077620 **Diagnosed** : 02 Feb 2024  
**Unique Number** : 10859711 **Diagnostician** : Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - BURKEVILLE**  
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 US 23922  
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 T: (434)767-5578  
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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.  
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)