



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

Machine Id  
**JOHN DEERE S550 1H0S550STC074501**

Component  
**Hydraulic System**

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

### RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0201890</b>	---	---
Sample Date		Client Info		<b>11 Jan 2024</b>	---	---
Machine Age	hrs	Client Info		<b>0</b>	---	---
Oil Age	hrs	Client Info		<b>0</b>	---	---
Filter Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>N/A</b>	---	---
Filter Changed		Client Info		<b>N/A</b>	---	---
Sample Status				<b>ABNORMAL</b>	---	---

### WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185m	>20	<b>27</b>	---	---
Chromium	ppm	ASTM D5185m	>10	<b>1</b>	---	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	---	---
Titanium	ppm	ASTM D5185m		<b>0</b>	---	---
Silver	ppm	ASTM D5185m		<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m	>10	<b>&lt;1</b>	---	---
Lead	ppm	ASTM D5185m	>10	<b>5</b>	---	---
Copper	ppm	ASTM D5185m	>75	<b>31</b>	---	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	---	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---

### CONTAMINATION

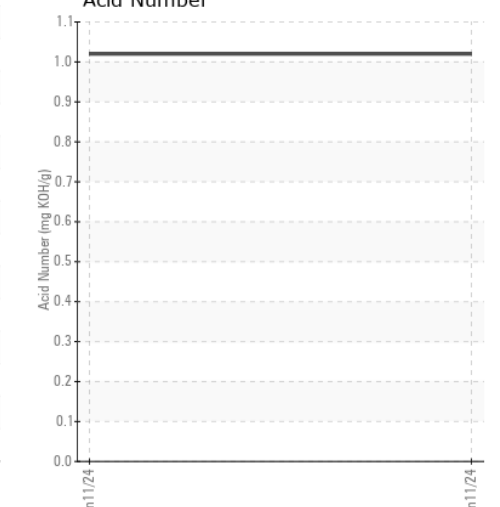
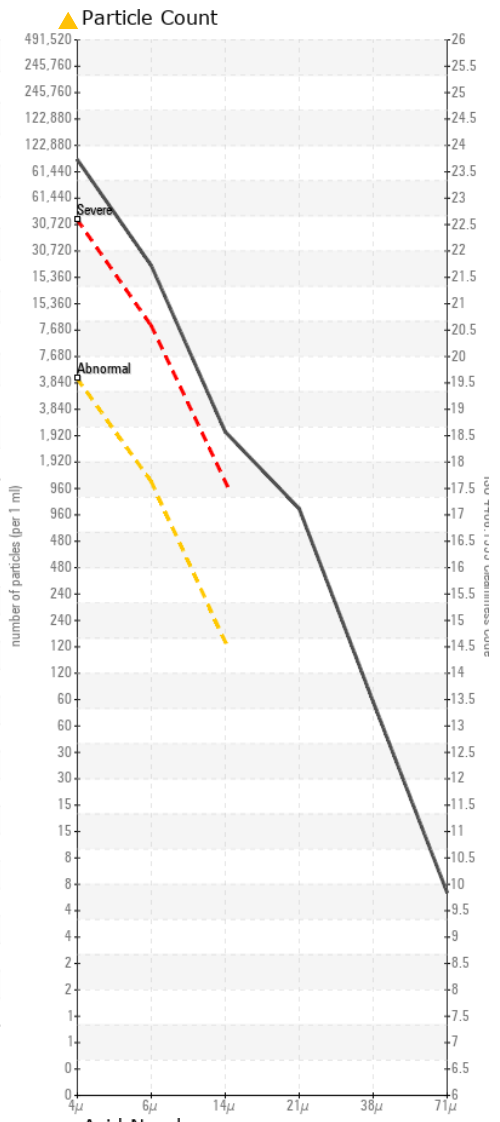
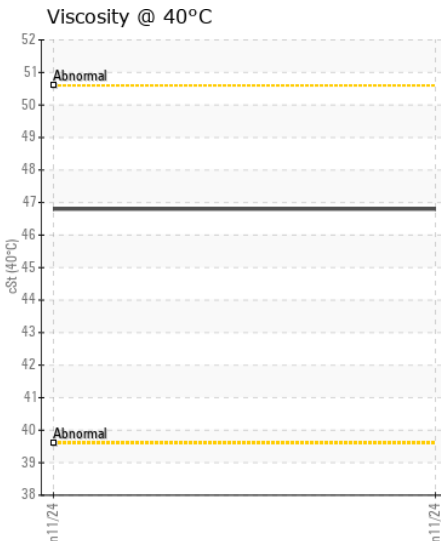
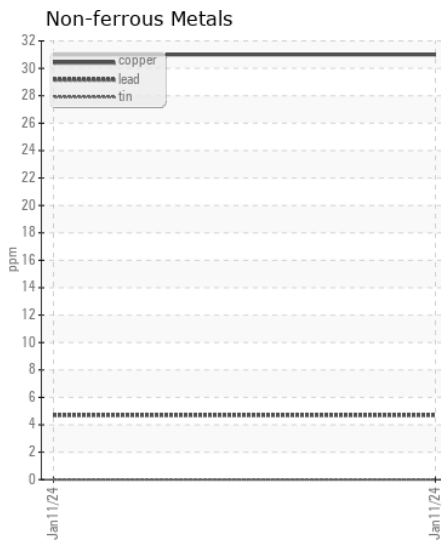
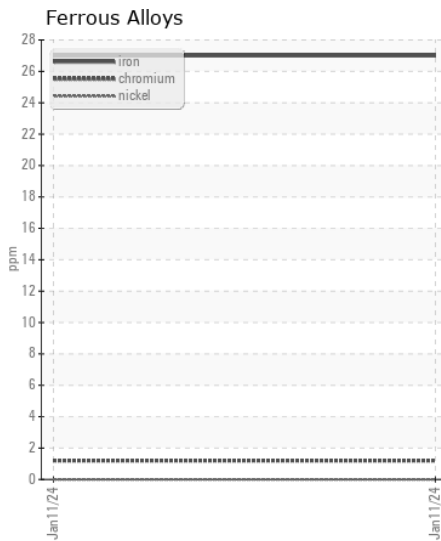
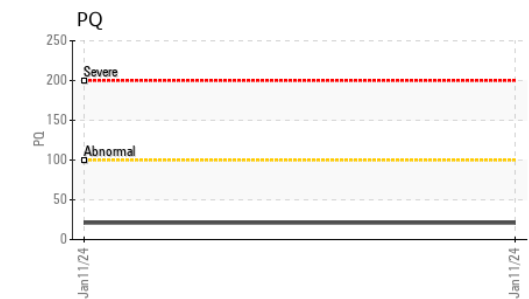
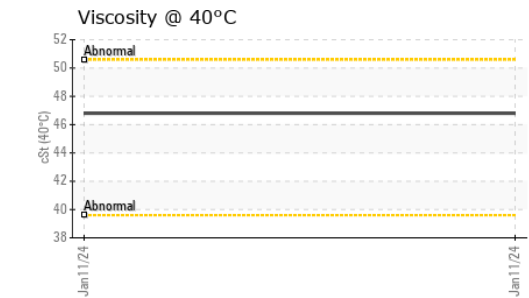
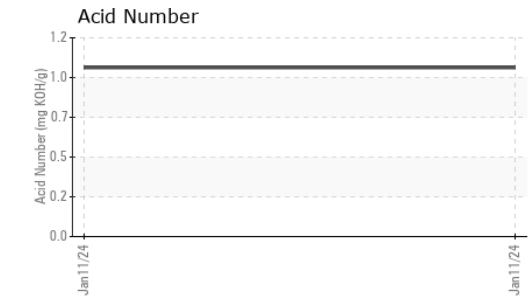
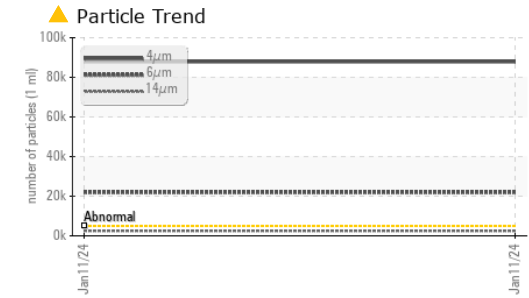
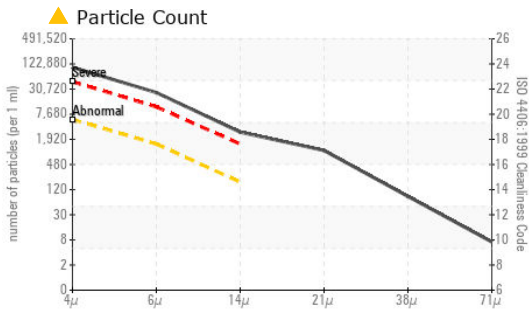
There is a high amount of particulates present in the oil.

Silicon	ppm	ASTM D5185m	>20	<b>5</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	---	---
Water		WC Method	>0.1	<b>NEG</b>	---	---
Particles >4µm		ASTM D7647	>5000	<b>▲ 87885</b>	---	---
Particles >6µm		ASTM D7647	>1300	<b>▲ 21976</b>	---	---
Particles >14µm		ASTM D7647	>160	<b>▲ 2496</b>	---	---
Particles >21µm		ASTM D7647	>40	<b>▲ 912</b>	---	---
Particles >38µm		ASTM D7647	>10	<b>▲ 73</b>	---	---
Particles >71µm		ASTM D7647	>3	<b>▲ 6</b>	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>▲ 24/22/18</b>	---	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	---	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	---	---

### FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>4</b>	---	---
Boron	ppm	ASTM D5185m		<b>0</b>	---	---
Barium	ppm	ASTM D5185m		<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m		<b>0</b>	---	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Magnesium	ppm	ASTM D5185m		<b>95</b>	---	---
Calcium	ppm	ASTM D5185m		<b>3441</b>	---	---
Phosphorus	ppm	ASTM D5185m		<b>981</b>	---	---
Zinc	ppm	ASTM D5185m		<b>1256</b>	---	---
Sulfur	ppm	ASTM D5185m		<b>3567</b>	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>1.02</b>	---	---
Visc @ 40°C	cSt	ASTM D445		<b>46.8</b>	---	---



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0201890 **Received** : 12 Jan 2024  
**Lab Number** : 06059204 **Diagnosed** : 15 Jan 2024  
**Unique Number** : 10830586 **Diagnostician** : Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

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 - WAKEFIELD**  
 10489 GENERAL MAHONE HWY  
 WAKEFIELD, VA  
 US 23888  
 Contact: BILL ACKER  
 backer@jamesriverequipment.com  
 T: (757)899-3232  
 F: (757)899-6464