



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

Area  
**[W64352]**  
 Machine Id  
**D37EX 1E KMT0D121C01080167**  
 Component  
**Hydraulic System**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (10 GAL)**

### RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. ( Customer Sample Comment: W64352 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0203909</b>	---	---
Sample Date		Client Info		<b>21 Feb 2024</b>	---	---
Machine Age	hrs	Client Info		<b>5455</b>	---	---
Oil Age	hrs	Client Info		<b>5455</b>	---	---
Filter Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>Not Changd</b>	---	---
Filter Changed		Client Info		<b>Not Changd</b>	---	---
Sample Status				<b>ABNORMAL</b>	---	---

### WEAR

The iron level is abnormal. All other component wear rates are normal.

PQ		ASTM D8184		<b>15</b>	---	---
Iron	ppm	ASTM D5185m	>20	<b>▲ 25</b>	---	---
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	---	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185m		<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m	>10	<b>4</b>	---	---
Lead	ppm	ASTM D5185m	>10	<b>5</b>	---	---
Copper	ppm	ASTM D5185m	>75	<b>15</b>	---	---
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</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

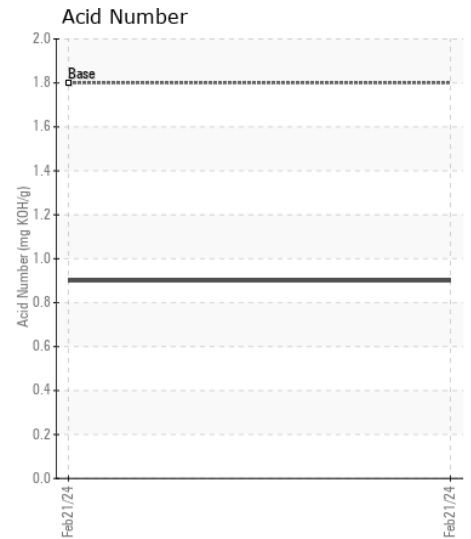
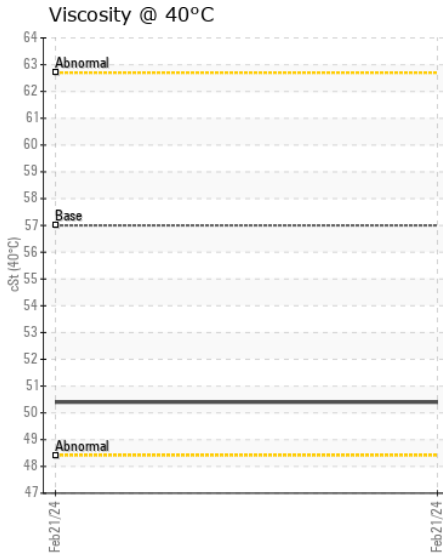
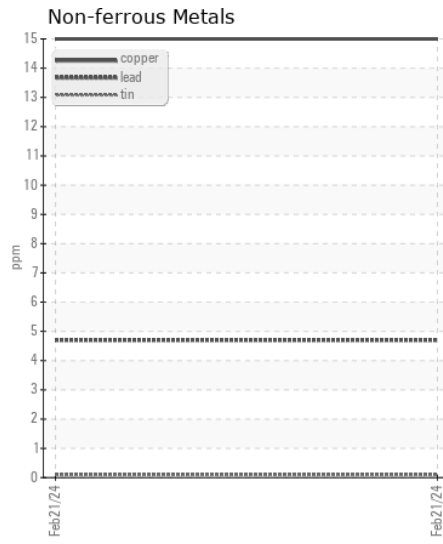
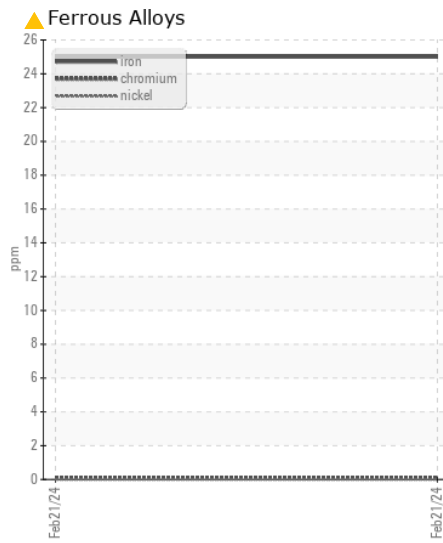
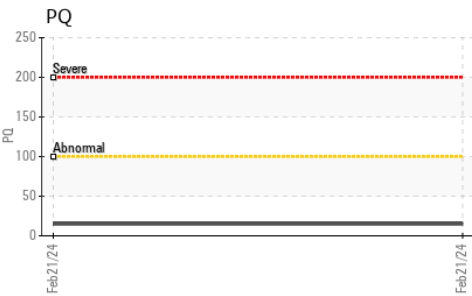
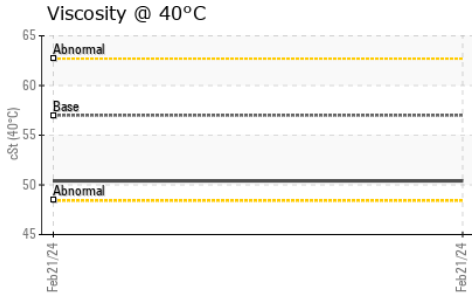
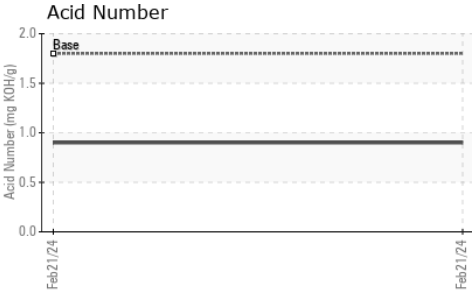
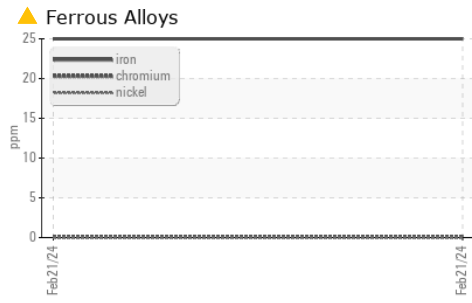
Moderate concentration of visible dirt/debris present in the oil.

Silicon	ppm	ASTM D5185m	>20	<b>11</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	---	---
Water		WC Method	>0.1	<b>NEG</b>	---	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Debris	scalar	*Visual	NONE	<b>▲ MODER</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 suitable for further service.

Sodium	ppm	ASTM D5185m		<b>1</b>	---	---
Boron	ppm	ASTM D5185m	6	<b>46</b>	---	---
Barium	ppm	ASTM D5185m	0	<b>&lt;1</b>	---	---
Molybdenum	ppm	ASTM D5185m	0	<b>31</b>	---	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Magnesium	ppm	ASTM D5185m	145	<b>248</b>	---	---
Calcium	ppm	ASTM D5185m	3570	<b>1111</b>	---	---
Phosphorus	ppm	ASTM D5185m	1290	<b>691</b>	---	---
Zinc	ppm	ASTM D5185m	1640	<b>745</b>	---	---
Sulfur	ppm	ASTM D5185m		<b>2864</b>	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045	1.8	<b>0.90</b>	---	---
Visc @ 40°C	cSt	ASTM D445	57.0	<b>50.4</b>	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0203909 **Received** : 23 Feb 2024  
**Lab Number** : 06099079 **Tested** : 26 Feb 2024  
**Unique Number** : 10897309 **Diagnosed** : 26 Feb 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - CHARLOTTE**  
 9550 STATESVILLE ROAD  
 CHARLOTTE, NC  
 US 28269

Contact: CHARLOTTE SHOP  
 myoung@jamesriverequipment.com

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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