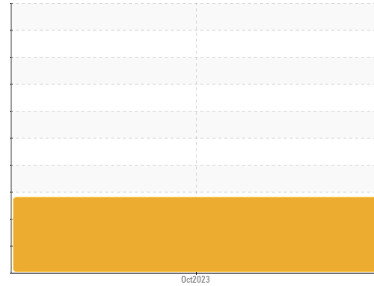
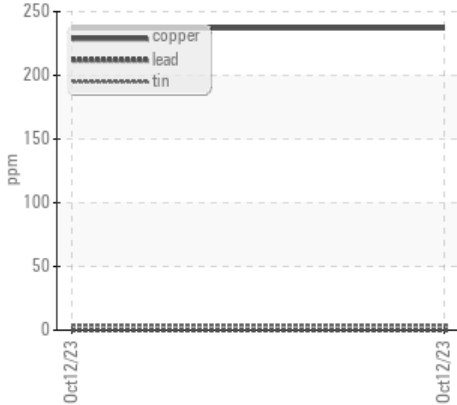
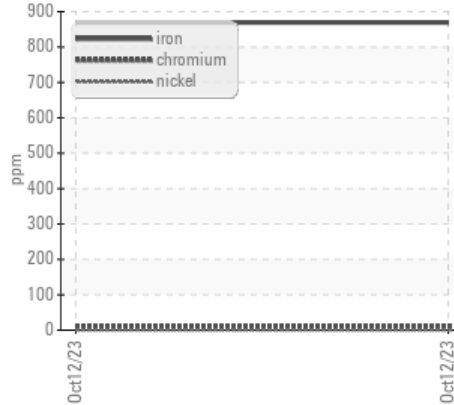
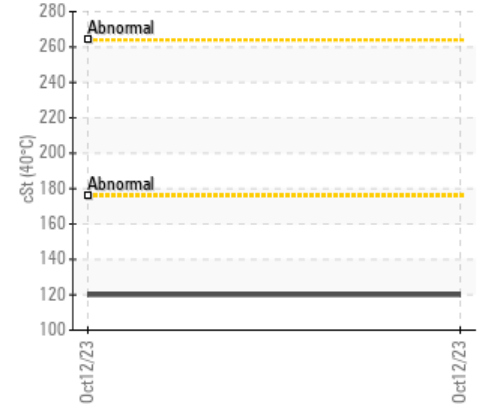


Machine Id  
**WIRTGEN W210FI 23200362**  
 Component  
**Front Right Final Drive**  
 Fluid  
**VG 220 (--- GAL)**


**COMPONENT CONDITION SUMMARY**
**▲ Non-ferrous Metals**

**▲ Ferrous Alloys**

**▲ Viscosity @ 40°C**

**RECOMMENDATION**

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

**PROBLEMATIC TEST RESULTS**

Sample Status	Unit	ASTM	Value	ABNORMAL	---	---
Iron	ppm	ASTM D5185m	>500	▲ 869	---	---
Chromium	ppm	ASTM D5185m	>10	▲ 12	---	---
Copper	ppm	ASTM D5185m	>50	▲ 237	---	---
Visc @ 40°C	cSt	ASTM D445		▲ 120	---	---

Customer Id: JAMASH  
 Sample No.: JR0179463  
 Lab Number: 05979957  
 Test Package: CONST



To manage this report scan the QR code

To discuss the diagnosis or test data:  
 Don Baldrige +1  
[don.b505@comcast.net](mailto:don.b505@comcast.net)

To change component or sample information:  
 Customer Service +1 1-800-237-1369  
[customerservice@wearcheck.com](mailto:customerservice@wearcheck.com)

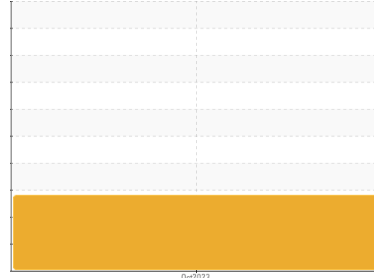
## RECOMMENDED ACTIONS

*There are no recommended actions for this sample.*

## HISTORICAL DIAGNOSIS

# OIL ANALYSIS REPORT

Sample Rating Trend



**WEAR**



Machine Id  
**WIRTGEN W210FI 23200362**  
Component  
**Front Right Final Drive**  
Fluid  
**VG 220 (--- GAL)**

## DIAGNOSIS

### ▲ Recommendation

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

### ▲ Wear

Bearing and/or gear wear is indicated.

### Contamination

There is no indication of any contamination in the oil.

### ▲ Fluid Condition

The oil viscosity is lower than normal. Confirm oil type.

SAMPLE INFORMATION	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>JR0179463</b>	---	---
Sample Date	Client Info		<b>12 Oct 2023</b>	---	---
Machine Age	hrs	Client Info	<b>2281</b>	---	---
Oil Age	hrs	Client Info	<b>0</b>	---	---
Oil Changed	Client Info		<b>Changed</b>	---	---
Sample Status			<b>ABNORMAL</b>	---	---

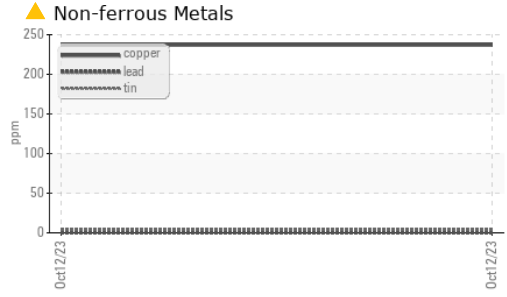
WEAR METALS	method	limit/base	current	history1	history2
PQ	ASTM D8184		<b>103</b>	---	---
Iron	ppm	ASTM D5185m >500	<b>▲ 869</b>	---	---
Chromium	ppm	ASTM D5185m >10	<b>▲ 12</b>	---	---
Nickel	ppm	ASTM D5185m >10	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185m	<b>&lt;1</b>	---	---
Aluminum	ppm	ASTM D5185m >25	<b>1</b>	---	---
Lead	ppm	ASTM D5185m >25	<b>0</b>	---	---
Copper	ppm	ASTM D5185m >50	<b>▲ 237</b>	---	---
Tin	ppm	ASTM D5185m >10	<b>4</b>	---	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	---	---
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	---	---

ADDITIVES	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>192</b>	---	---
Barium	ppm	ASTM D5185m	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m	<b>0</b>	---	---
Manganese	ppm	ASTM D5185m	<b>7</b>	---	---
Magnesium	ppm	ASTM D5185m	<b>12</b>	---	---
Calcium	ppm	ASTM D5185m	<b>43</b>	---	---
Phosphorus	ppm	ASTM D5185m	<b>1361</b>	---	---
Zinc	ppm	ASTM D5185m	<b>40</b>	---	---
Sulfur	ppm	ASTM D5185m	<b>24970</b>	---	---

CONTAMINANTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	<b>12</b>	---	---
Sodium	ppm	ASTM D5185m	<b>2</b>	---	---
Potassium	ppm	ASTM D5185m >20	<b>1</b>	---	---

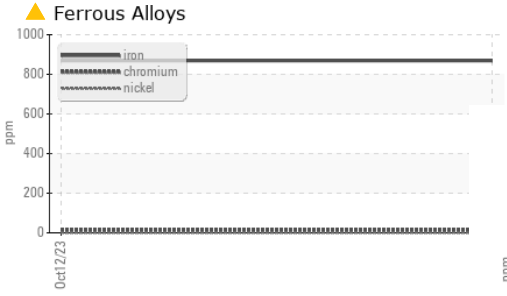
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	*Visual NONE	<b>NONE</b>	---	---
Precipitate	scalar	*Visual NONE	<b>NONE</b>	---	---
Silt	scalar	*Visual NONE	<b>NONE</b>	---	---
Debris	scalar	*Visual NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	*Visual NONE	<b>NONE</b>	---	---
Appearance	scalar	*Visual NORML	<b>NORML</b>	---	---
Odor	scalar	*Visual NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	*Visual >0.2	<b>NEG</b>	---	---
Free Water	scalar	*Visual	<b>NEG</b>	---	---

# OIL ANALYSIS REPORT

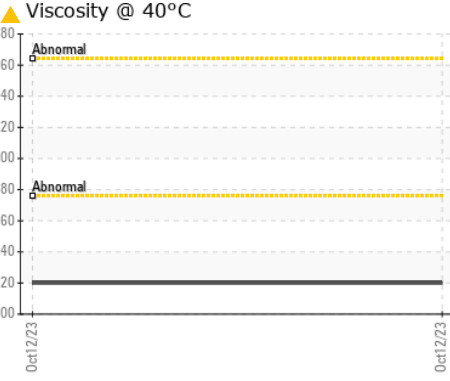
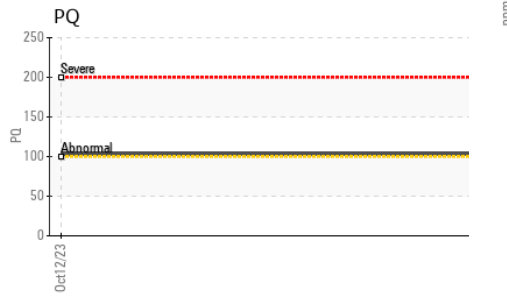
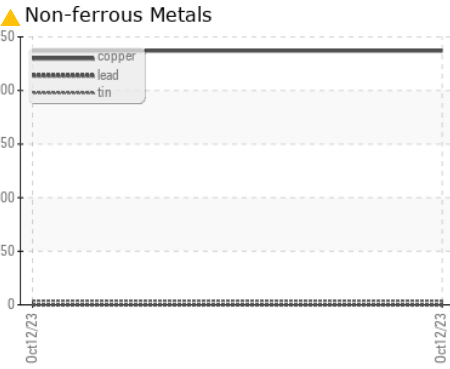
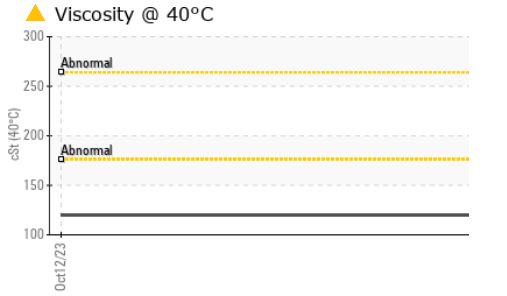
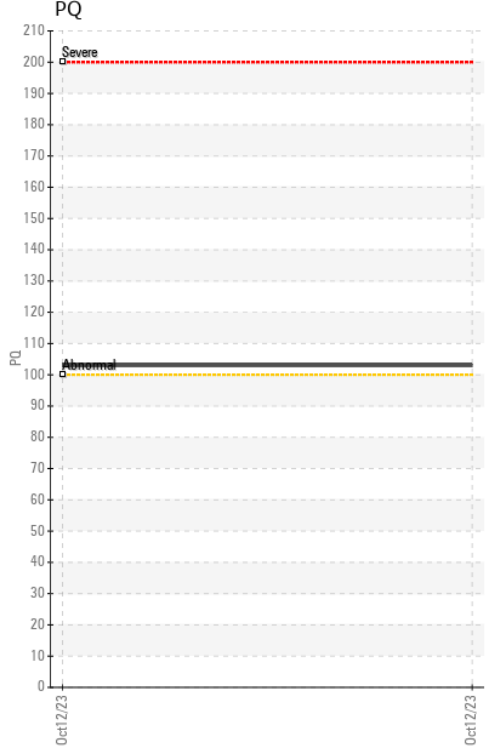
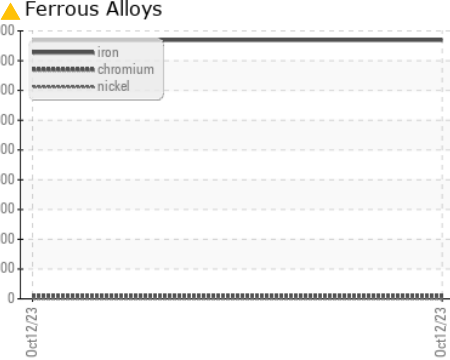


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	▲ 120	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image



## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0179463      **Received** : 16 Oct 2023  
**Lab Number** : 05979957      **Diagnosed** : 18 Oct 2023  
**Unique Number** : 10697252      **Diagnostician** : Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**JRE - ASHLAND**  
 11047 LEADBETTER RD  
 ASHLAND, VA  
 US 23005  
 Contact: DAVID ZIEG  
 dzieg@jamesriverequipment.com  
 T: (804)798-6001  
 F: (804)798-0292

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)