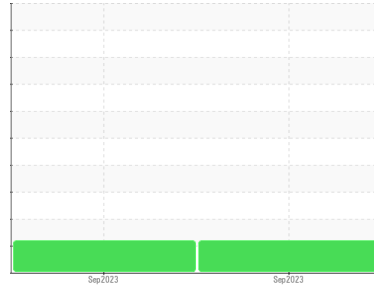


PROBLEM SUMMARY

Sample Rating Trend



DEGRADATION



Machine Id
WIRTGEN WR240i 10WR-1175
Component
Diesel Engine
Fluid
DIESEL ENGINE OIL SAE 15W40 (--- GAL)

COMPONENT CONDITION SUMMARY

No relevant graphs to display

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	ABNORMAL	---
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	▲ 3.7	▲ 3.7	---

Customer Id: JAMELI
Sample No.: JR0165712
Lab Number: 05966066
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

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

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Fluid	---	---	?	Oil and filter change at the time of sampling has been noted.
Change Filter	---	---	?	Oil and filter change at the time of sampling has been noted.

HISTORICAL DIAGNOSIS

29 Sep 2023 Diag: Don Baldrige

DEGRADATION



Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN level is low. The condition of the oil is acceptable for the time in service.

view report



Machine Id
WIRTGEN WR240i 10WR-1175

 Component
Diesel Engine

 Fluid
DISEL ENGINE OIL SAE 15W40 (--- GAL)

DIAGNOSIS
▲ Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

▲ Fluid Condition

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

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			JR0165712	JR0165711	---
Sample Date	Client Info			30 Sep 2023	29 Sep 2023	---
Machine Age	hrs	Client Info		5954	5954	---
Oil Age	hrs	Client Info		0	0	---
Oil Changed	Client Info			Changed	Changed	---
Sample Status				ABNORMAL	ABNORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Fuel	WC Method	>5		<1.0	<1.0	---
Glycol	WC Method			NEG	NEG	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	87	87	---
Chromium	ppm	ASTM D5185m	>20	5	5	---
Nickel	ppm	ASTM D5185m	>4	<1	<1	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m	>3	0	0	---
Aluminum	ppm	ASTM D5185m	>20	8	7	---
Lead	ppm	ASTM D5185m	>40	8	8	---
Copper	ppm	ASTM D5185m	>330	5	5	---
Tin	ppm	ASTM D5185m	>15	1	1	---
Vanadium	ppm	ASTM D5185m		0	0	---
Cadmium	ppm	ASTM D5185m		0	0	---

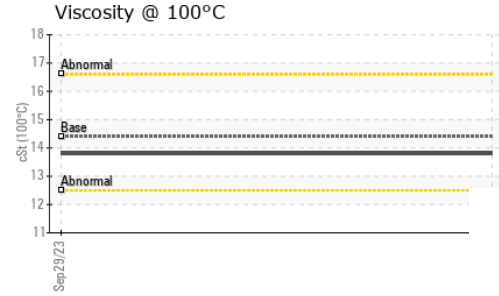
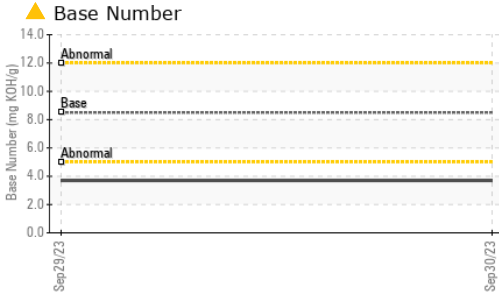
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	32	33	---
Barium	ppm	ASTM D5185m	10	0	0	---
Molybdenum	ppm	ASTM D5185m	100	104	103	---
Manganese	ppm	ASTM D5185m		2	2	---
Magnesium	ppm	ASTM D5185m	450	570	567	---
Calcium	ppm	ASTM D5185m	3000	1697	1690	---
Phosphorus	ppm	ASTM D5185m	1150	1093	1089	---
Zinc	ppm	ASTM D5185m	1350	1370	1361	---
Sulfur	ppm	ASTM D5185m	4250	2971	2939	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	22	22	---
Sodium	ppm	ASTM D5185m	>158	6	6	---
Potassium	ppm	ASTM D5185m	>20	2	3	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.8	0.8	---
Nitration	Abs/cm	*ASTM D7624	>20	11.2	11.2	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	33.2	33.1	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	31.2	31.1	---
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	▲ 3.7	▲ 3.7	---

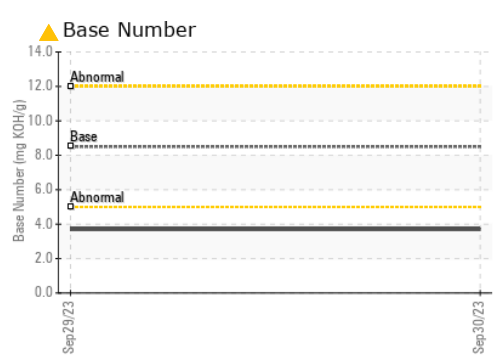
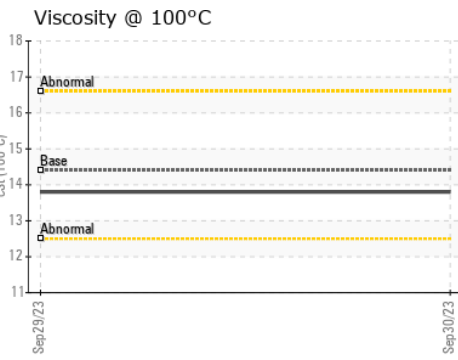
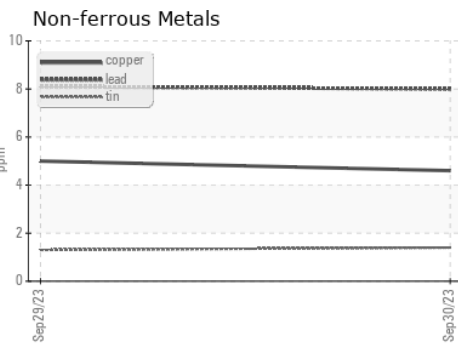
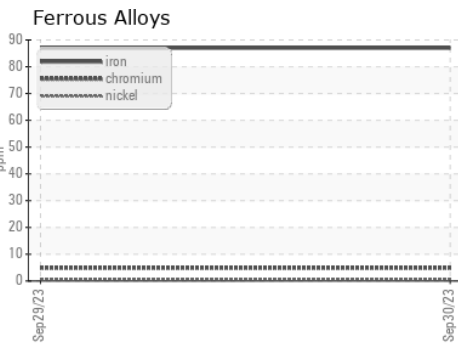
OIL ANALYSIS REPORT



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

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D445	14.4	13.8	13.8	---

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0165712 **Received** : 02 Oct 2023
Lab Number : 05966066 **Diagnosed** : 03 Oct 2023
Unique Number : 10672617 **Diagnostician** : Don Baldrige
Test Package : CONST (Additional Tests: TBN)

JRE - ELIZABETH CITY
 129 KNOBBS CREEK DR
 ELIZABETH CITY, NC
 US 27909
 Contact: CHARLES PARKER
 charles.parker@jamesriverequipment.com
 T: (252)333-2280
 F:

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)