

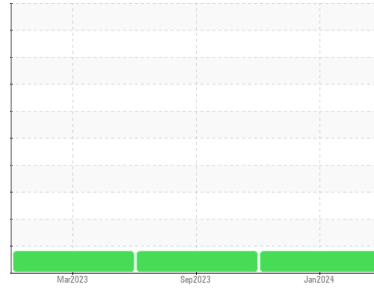


# OIL ANALYSIS REPORT

Sample Rating Trend

**WEAR**

Area  
**ULTRACHEM 150**  
 Machine Id  
**LEROI LAR-VRU-191B - MARK WEST ENERGY**  
 Component  
**Compressor**



## DIAGNOSIS

### ▲ Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

### ▲ Wear

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

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

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

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>UCH06058794</b>	UCH06040648	UCH05812771
Sample Date	Client Info		<b>05 Jan 2024</b>	27 Sep 2023	21 Mar 2023
Machine Age	hrs	Client Info	<b>38792</b>	37791	36488
Oil Age	hrs	Client Info	<b>10</b>	4087	2784
Oil Changed	Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Sample Status			<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	<b>NEG</b>	NEG	NEG

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	<b>▲ 64</b>	▲ 182	▲ 117
Chromium	ppm	ASTM D5185m >10	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >25	<b>2</b>	3	<1
Lead	ppm	ASTM D5185m >25	<b>0</b>	0	0
Copper	ppm	ASTM D5185m >50	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185m >15	<b>&lt;1</b>	0	<1
Vanadium	ppm	ASTM D5185m	<b>0</b>	<1	0
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	0	<1

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>2</b>	5	0
Barium	ppm	ASTM D5185m	<b>0</b>	6	0
Molybdenum	ppm	ASTM D5185m	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1	1
Magnesium	ppm	ASTM D5185m	<b>1</b>	2	2
Calcium	ppm	ASTM D5185m	<b>2</b>	7	10
Phosphorus	ppm	ASTM D5185m	<b>1056</b>	919	1197
Zinc	ppm	ASTM D5185m	<b>0</b>	5	6
Sulfur	ppm	ASTM D5185m	<b>1255</b>	1187	1692

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>2</b>	2	<1
Sodium	ppm	ASTM D5185m	<b>22</b>	49	12
Potassium	ppm	ASTM D5185m >20	<b>3</b>	5	2

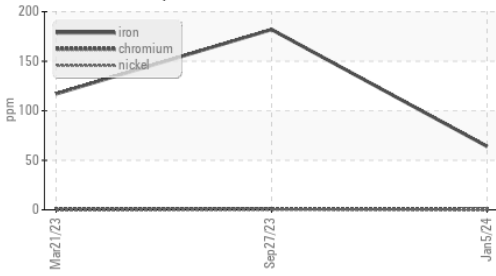
## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>0.088</b>	0.25	0.182

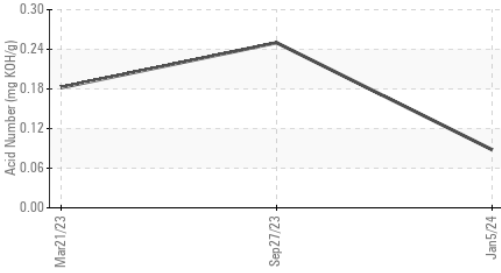


# OIL ANALYSIS REPORT

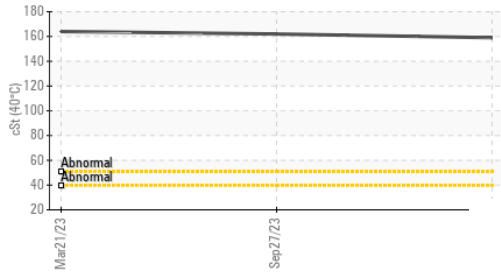
### ▲ Ferrous Alloys



### Acid Number



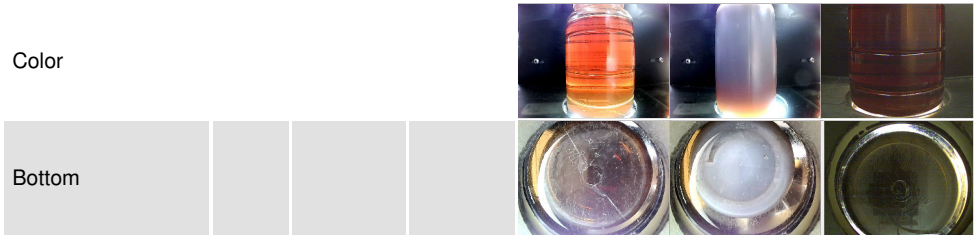
### Viscosity @ 40°C



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

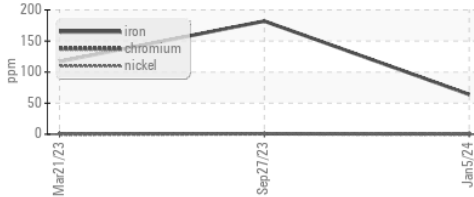
FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	159	162	164

SAMPLE IMAGES	method	limit/base	current	history1	history2
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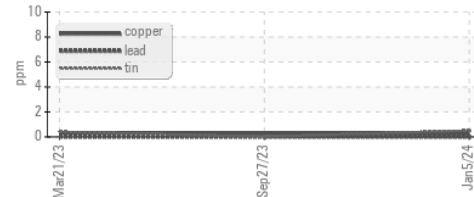


### GRAPHS

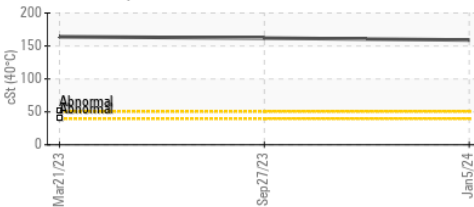
#### ▲ Ferrous Alloys



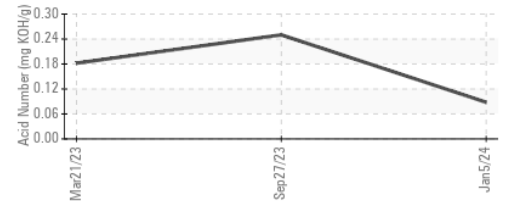
#### Non-ferrous Metals



#### Viscosity @ 40°C



#### Acid Number



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH06058794 **Recieved** : 11 Jan 2024  
**Lab Number** : 06058794 **Diagnosed** : 14 Jan 2024  
**Unique Number** : 10830176 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2

#### PPC LUBRICANTS

150 BONNIE DR  
BUTLER, PA  
US 16001

Contact: SHAWN SMITH  
ssmith@ppclubricants.com

T: (888)437-5823  
F: (866)789-5823

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)