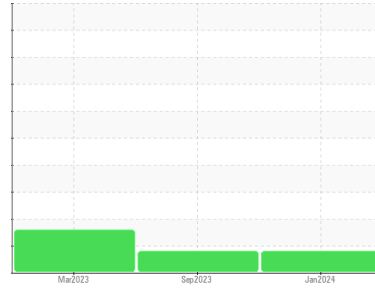




# OIL ANALYSIS REPORT

Sample Rating Trend



**WEAR**



Area  
**PGWS 150**  
 Machine Id  
**LEROI 5709X14 - 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 has decreased, but is still 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>UCH06058791</b>	UCH06040647	UCH05812773
Sample Date	Client Info		<b>05 Jan 2024</b>	27 Sep 2023	21 Mar 2023
Machine Age	hrs	Client Info	<b>45122</b>	42924	39295
Oil Age	hrs	Client Info	<b>750</b>	4906	1277
Oil Changed	Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Sample Status			<b>ABNORMAL</b>	ABNORMAL	ATTENTION

## 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>▲ 82</b>	▲ 139	27
Chromium	ppm	ASTM D5185m >10	<b>&lt;1</b>	<1	0
Nickel	ppm	ASTM D5185m	<b>&lt;1</b>	0	<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>	2	<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>0</b>	0	<1
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 150	<b>0</b>	0	0
Barium	ppm	ASTM D5185m	<b>0</b>	7	0
Molybdenum	ppm	ASTM D5185m	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m	<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185m 10	<b>&lt;1</b>	6	2
Calcium	ppm	ASTM D5185m 70	<b>4</b>	13	9
Phosphorus	ppm	ASTM D5185m 2000	<b>1105</b>	1022	1205
Zinc	ppm	ASTM D5185m 50	<b>0</b>	6	4
Sulfur	ppm	ASTM D5185m 20000	<b>5294</b>	5417	3532

## CONTAMINANTS

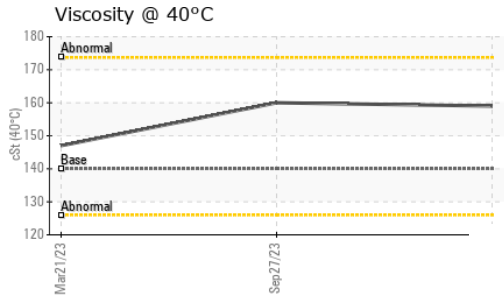
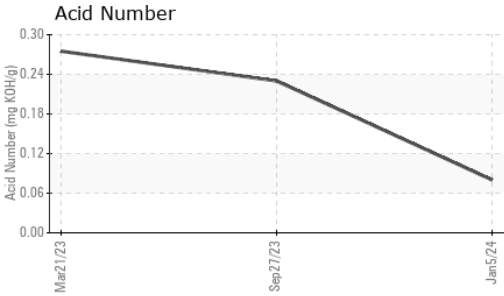
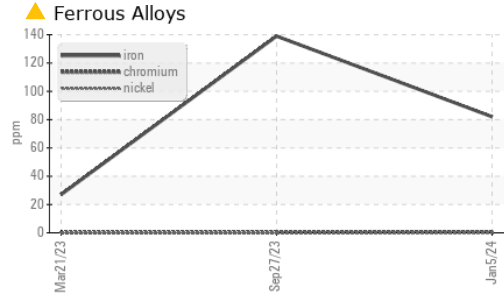
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>2</b>	1	<1
Sodium	ppm	ASTM D5185m	<b>17</b>	31	14
Potassium	ppm	ASTM D5185m >20	<b>2</b>	2	2

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>0.08</b>	0.23	0.275



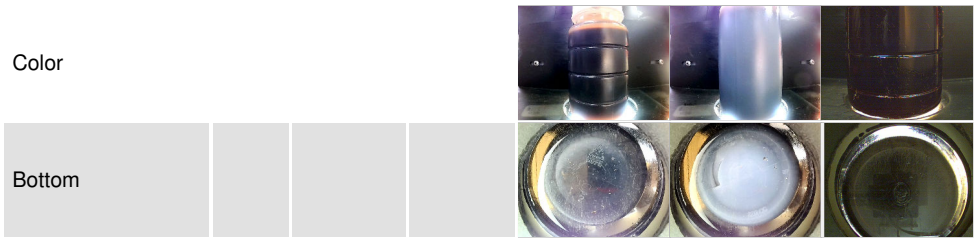
# OIL ANALYSIS REPORT



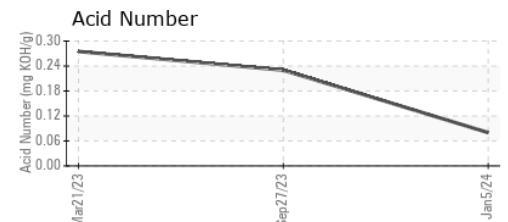
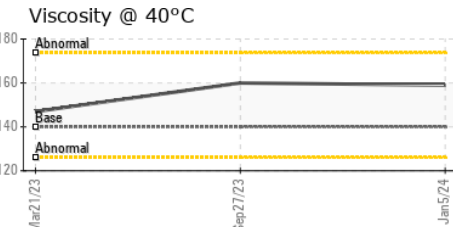
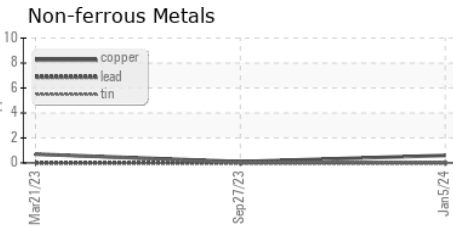
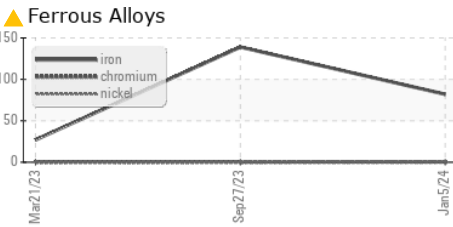
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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 140	159	160	147

SAMPLE IMAGES	method	limit/base	current	history1	history2
---------------	--------	------------	---------	----------	----------



## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH06058791 **Recieved** : 11 Jan 2024  
**Lab Number** : 06058791 **Diagnosed** : 14 Jan 2024  
**Unique Number** : 10830173 **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

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)