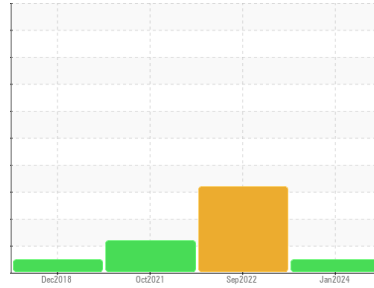




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**ULTRA COOLANT**  
 Machine Id  
**M70418 - REFRACTORY & INSULATION CO**  
 Component  
**Compressor**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

Moderate concentration of visible dirt/debris present 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>UCH06075960</b>	UCH05648382	UCH05411903
Sample Date	Client Info		<b>19 Jan 2024</b>	06 Sep 2022	29 Oct 2021
Machine Age	hrs	Client Info	<b>28956</b>	26593	25590
Oil Age	hrs	Client Info	<b>2374</b>	1093	0
Oil Changed	Client Info		<b>Not Chngd</b>	Changed	Changed
Sample Status			<b>NORMAL</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>2</b>	2	3
Chromium	ppm	ASTM D5185m >10	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185m	<b>&lt;1</b>	4	0
Titanium	ppm	ASTM D5185m	<b>0</b>	0	0
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >25	<b>1</b>	<1	2
Lead	ppm	ASTM D5185m >25	<b>1</b>	0	<1
Copper	ppm	ASTM D5185m >50	<b>2</b>	1	2
Tin	ppm	ASTM D5185m >15	<b>&lt;1</b>	0	2
Antimony	ppm	ASTM D5185m	<b>---</b>	---	<1
Vanadium	ppm	ASTM D5185m	<b>0</b>	<1	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	<1	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 0.6	<b>0</b>	2	<1
Barium	ppm	ASTM D5185m 658	<b>448</b>	486	466
Molybdenum	ppm	ASTM D5185m 0	<b>0</b>	<1	0
Manganese	ppm	ASTM D5185m 0	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185m 0.0	<b>3</b>	<1	0
Calcium	ppm	ASTM D5185m 0.2	<b>4</b>	2	2
Phosphorus	ppm	ASTM D5185m 0.6	<b>6</b>	21	15
Zinc	ppm	ASTM D5185m 0	<b>4</b>	7	10
Sulfur	ppm	ASTM D5185m 583	<b>280</b>	333	245

## CONTAMINANTS

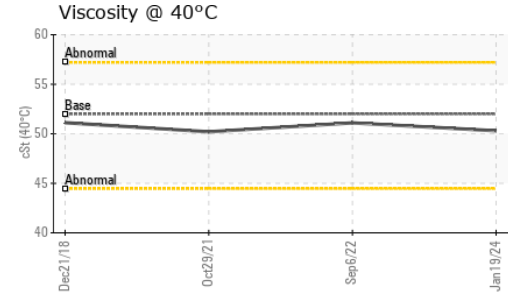
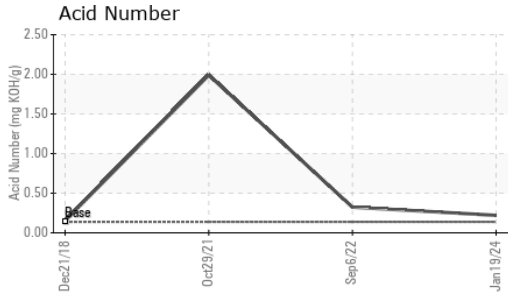
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>3</b>	3	1
Sodium	ppm	ASTM D5185m	<b>19</b>	14	22
Potassium	ppm	ASTM D5185m >20	<b>4</b>	<1	0

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.138	<b>0.22</b>	0.324	▲ 1.99



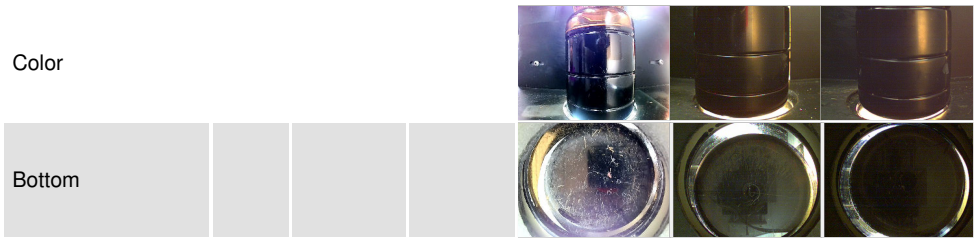
# OIL ANALYSIS REPORT



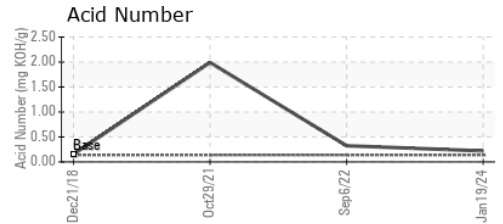
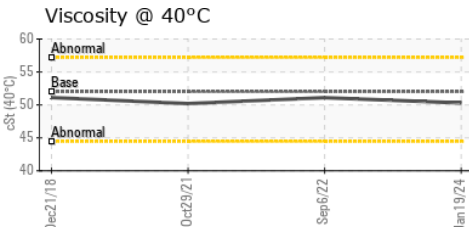
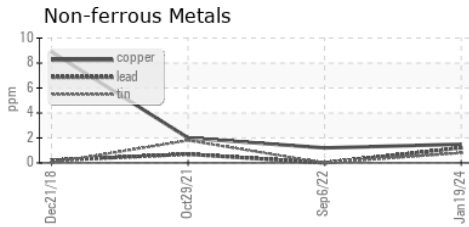
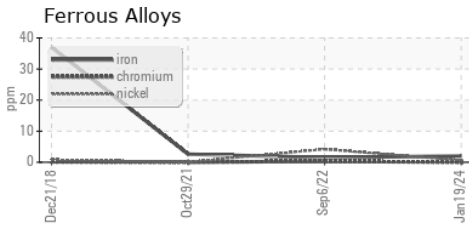
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>LIGHT</b>	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	<b>MODER</b>	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	▲ 0.2%
Free Water	scalar	*Visual		<b>NEG</b>	▲ 1.0

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	52.0	<b>50.3</b>	51.1	50.2

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH06075960 **Recieved** : 31 Jan 2024  
**Lab Number** : **06075960** **Diagnosed** : 02 Feb 2024  
**Unique Number** : 10858051 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2

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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)