



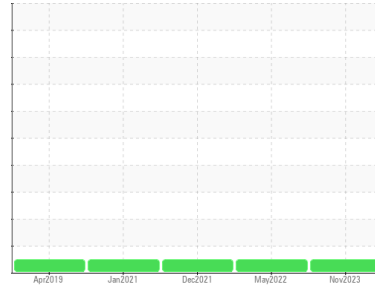
# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**ULTRACHEM 32 PG**  
 Machine Id  
**KAESER 203356 - DOW CHEMICAL**  
 Component  
**Compressor**



## DIAGNOSIS

### Recommendation

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 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>UCH06013390</b>	UCH05542310	UCH05421357
Sample Date	Client Info		<b>07 Nov 2023</b>	04 May 2022	07 Dec 2021
Machine Age	hrs	Client Info	<b>138736</b>	125661	122199
Oil Age	hrs	Client Info	<b>6147</b>	6343	1
Oil Changed		Client Info	<b>N/A</b>	N/A	Changed
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.05	<b>NEG</b>	NEG	NEG

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	<b>0</b>	<1	0
Chromium	ppm	ASTM D5185m >10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m >3	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m >3	<b>0</b>	0	0
Silver	ppm	ASTM D5185m >2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >10	<b>&lt;1</b>	0	0
Lead	ppm	ASTM D5185m >10	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m >50	<b>0</b>	<1	0
Tin	ppm	ASTM D5185m >10	<b>1</b>	0	<1
Antimony	ppm	ASTM D5185m	<b>---</b>	---	0
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 1	<b>0</b>	0	0
Barium	ppm	ASTM D5185m 730	<b>505</b>	566	616
Molybdenum	ppm	ASTM D5185m 0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m 0.0	<b>0</b>	0	0
Magnesium	ppm	ASTM D5185m 0	<b>&lt;1</b>	<1	0
Calcium	ppm	ASTM D5185m 0	<b>4</b>	2	<1
Phosphorus	ppm	ASTM D5185m 0	<b>11</b>	5	14
Zinc	ppm	ASTM D5185m 0	<b>&lt;1</b>	0	0
Sulfur	ppm	ASTM D5185m 590	<b>599</b>	529	540

## CONTAMINANTS

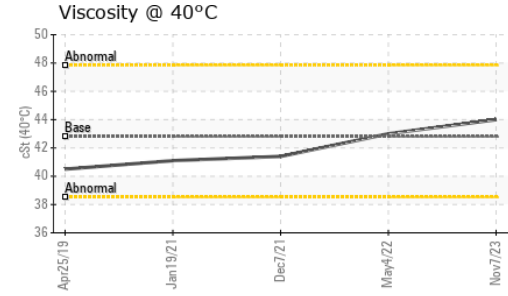
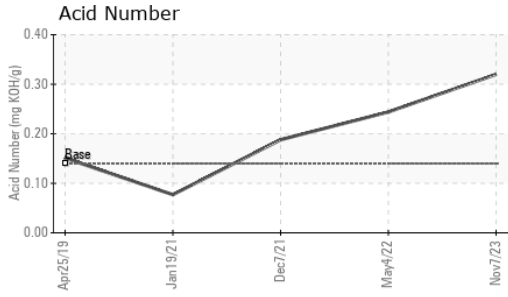
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>&lt;1</b>	<1	5
Sodium	ppm	ASTM D5185m	<b>27</b>	26	0
Potassium	ppm	ASTM D5185m >20	<b>5</b>	3	0

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.14	<b>0.32</b>	0.244	0.188



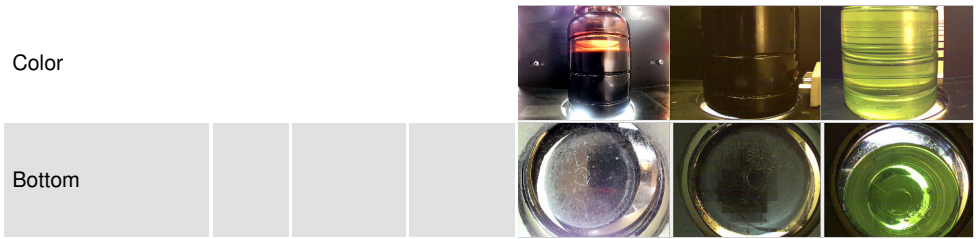
# OIL ANALYSIS REPORT



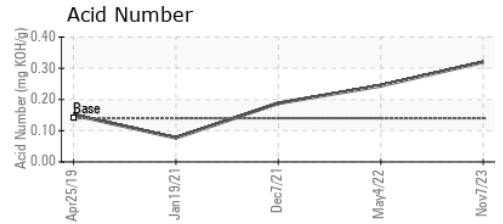
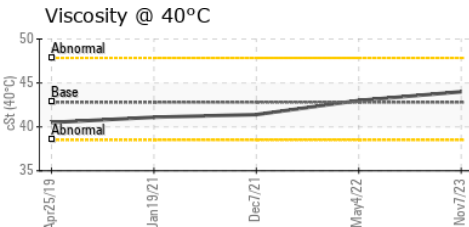
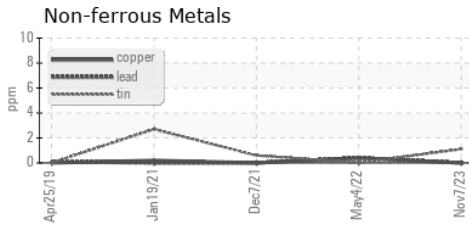
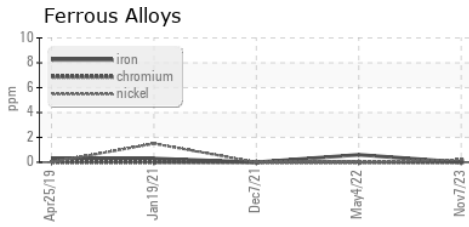
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	42.8	<b>44.0</b>	43.0	41.4

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH06013390 **Received** : 20 Nov 2023  
**Lab Number** : **06013390** **Diagnosed** : 23 Nov 2023  
**Unique Number** : 10752534 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2

**CUMMINS-WAGNER CO INC**  
 175 Edgemoor Rd  
 WILMINGTON, DE  
 US 19809  
 Contact: Natalie Gagliano  
 NGagliano@cummins-wagner.com  
 T: (833)568-5450  
 F:

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)