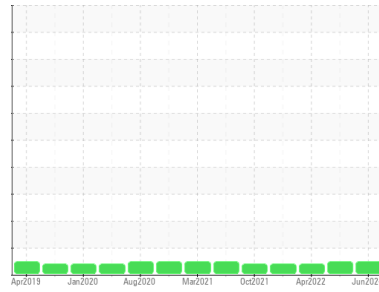




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area

**TURBO 68 [420524]**

Machine Id

**KOBELCO 15H6116177 - COLGATE**

Component

**Compressor**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

### 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>UCH06236983</b>	UCH06125791	UCH05536433
Sample Date	Client Info		<b>24 Jun 2024</b>	21 Mar 2024	20 Apr 2022
Machine Age	hrs	Client Info	<b>38807</b>	37463	29184
Oil Age	hrs	Client Info	<b>0</b>	0	3339
Oil Changed	Client Info		<b>Not Changed</b>	Not Changed	Not Changed
Sample Status			<b>NORMAL</b>	NORMAL	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>0</b>	0
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0
Nickel	ppm	ASTM D5185m		<b>0</b>	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	0
Lead	ppm	ASTM D5185m	>25	<b>&lt;1</b>	0
Copper	ppm	ASTM D5185m	>50	<b>&lt;1</b>	0
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>0</b>	0
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	0
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	0
Manganese	ppm	ASTM D5185m		<b>0</b>	0
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	0
Calcium	ppm	ASTM D5185m		<b>0</b>	3
Phosphorus	ppm	ASTM D5185m		<b>139</b>	137
Zinc	ppm	ASTM D5185m		<b>21</b>	19
Sulfur	ppm	ASTM D5185m		<b>4629</b>	5765

## CONTAMINANTS

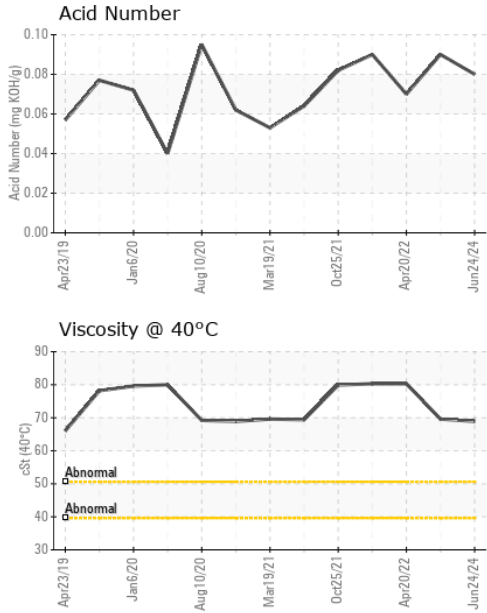
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<b>1</b>	<1
Sodium	ppm	ASTM D5185m		<b>0</b>	2
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	0

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.08</b>	0.09



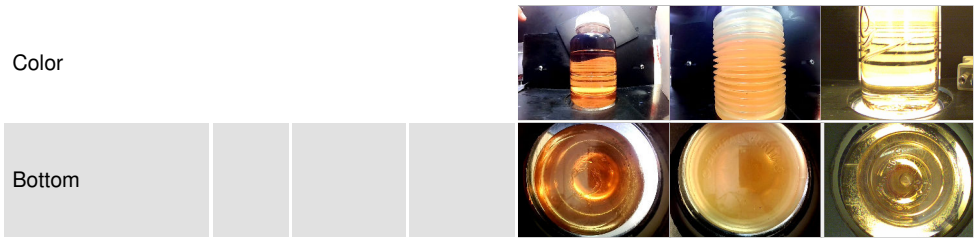
# OIL ANALYSIS REPORT



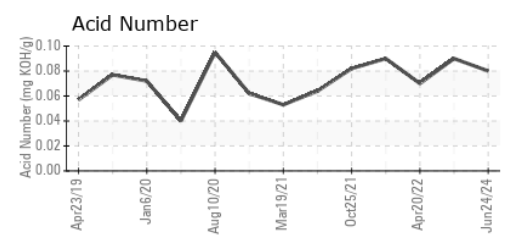
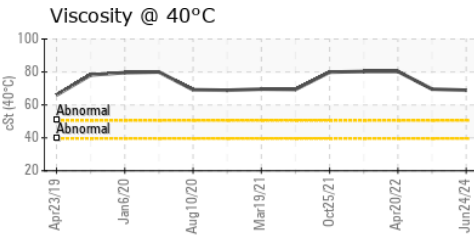
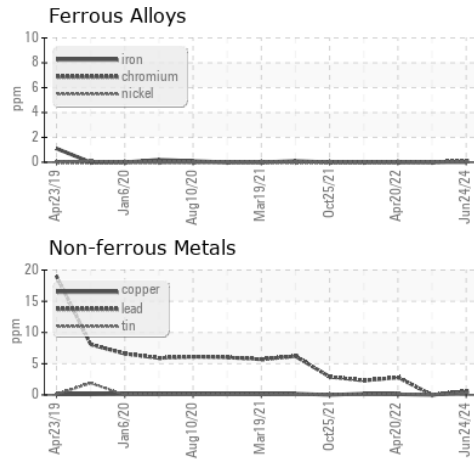
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	<b>LIGHT</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>LIGHT</b>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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	<b>68.9</b>	69.6	80.3

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH06236983      **Received** : 15 Jul 2024  
**Lab Number** : **06236983**      **Tested** : 17 Jul 2024  
**Unique Number** : 11125817      **Diagnosed** : 17 Jul 2024 - Wes Davis  
**Test Package** : IND 2

**AIRMATIC COMPRESSOR SYSTEMS**  
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 Contact: ELVIN DIAZ  
 ediaz@airmaticcompressor.com; canastasio@wearcheckusa.com  
 T: (800)864-7621  
 F: (201)342-6241

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)