



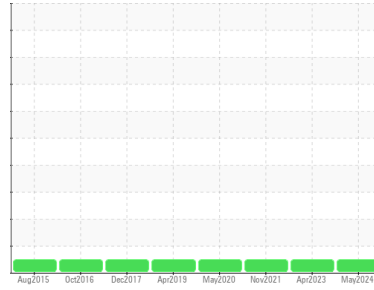
# OIL ANALYSIS REPORT

## Sample Rating Trend

**NORMAL**



Area  
**CS-46 [PM12-3262510]**  
 Machine Id  
**ATLAS COPCO H0L010426 - SPECIALTY PRODUCTS DESIGN INC**  
 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>UCH06196778</b>	UCH05837846	UCH05410764
Sample Date	Client Info		<b>17 May 2024</b>	15 Apr 2023	12 Nov 2021
Machine Age	hrs	Client Info	<b>49195</b>	47268	44644
Oil Age	hrs	Client Info	<b>1927</b>	2624	0
Oil Changed	Client Info		<b>Changed</b>	Changed	Changed
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## 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>	<1
Nickel	ppm	ASTM D5185m		<b>0</b>	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0
Silver	ppm	ASTM D5185m		<b>0</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>	<1
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0
Antimony	ppm	ASTM D5185m		<b>---</b>	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	1.5	<b>0</b>	0
Barium	ppm	ASTM D5185m	0	<b>&lt;1</b>	0
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	0
Manganese	ppm	ASTM D5185m	0.3	<b>0</b>	<1
Magnesium	ppm	ASTM D5185m	0	<b>&lt;1</b>	<1
Calcium	ppm	ASTM D5185m	0	<b>0</b>	0
Phosphorus	ppm	ASTM D5185m	406	<b>245</b>	264
Zinc	ppm	ASTM D5185m	0	<b>1</b>	5
Sulfur	ppm	ASTM D5185m	1283	<b>1119</b>	1179

## CONTAMINANTS

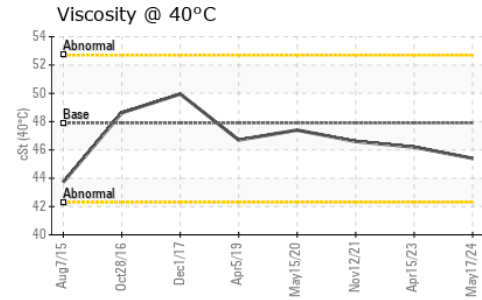
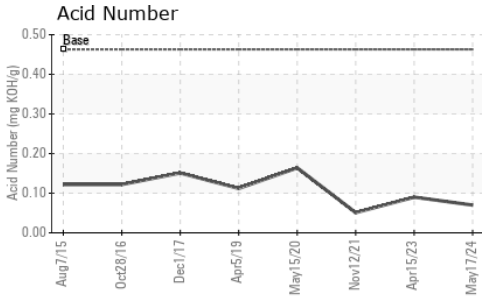
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<b>&lt;1</b>	0
Sodium	ppm	ASTM D5185m		<b>0</b>	1
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	1

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.463	<b>0.07</b>	0.09



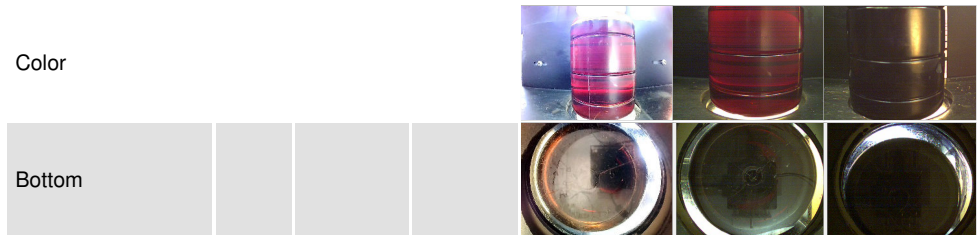
# OIL ANALYSIS REPORT



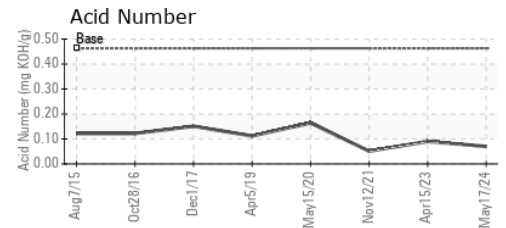
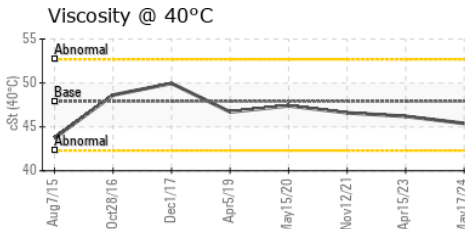
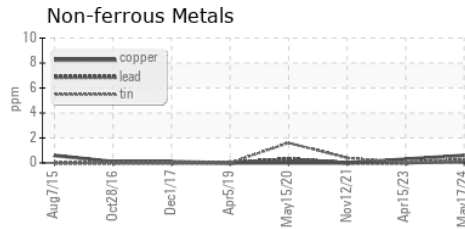
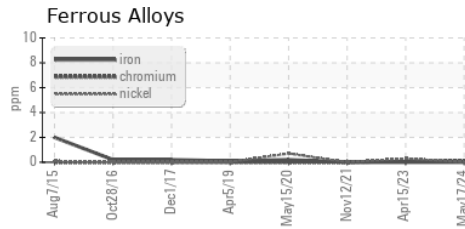
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	47.9	45.4	46.2

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



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH06196778  
**Lab Number** : 06196778  
**Unique Number** : 11058901  
**Test Package** : IND 2  
**Received** : 31 May 2024  
**Tested** : 03 Jun 2024  
**Diagnosed** : 03 Jun 2024 - Wes Davis

**CISCO AIR SYSTEMS**  
 214 27TH ST  
 SACRAMENTO, CA  
 US 95816

Contact: BARRY FRKOVICH  
 barryfrkovich@ciscoair.com

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)

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F: x: