

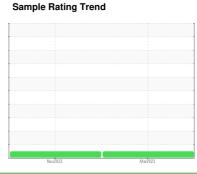
**ULTRA 10K** 

# **OIL ANALYSIS REPORT**

**ATLAS COPCO API337794 - ARCH COAL** 

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

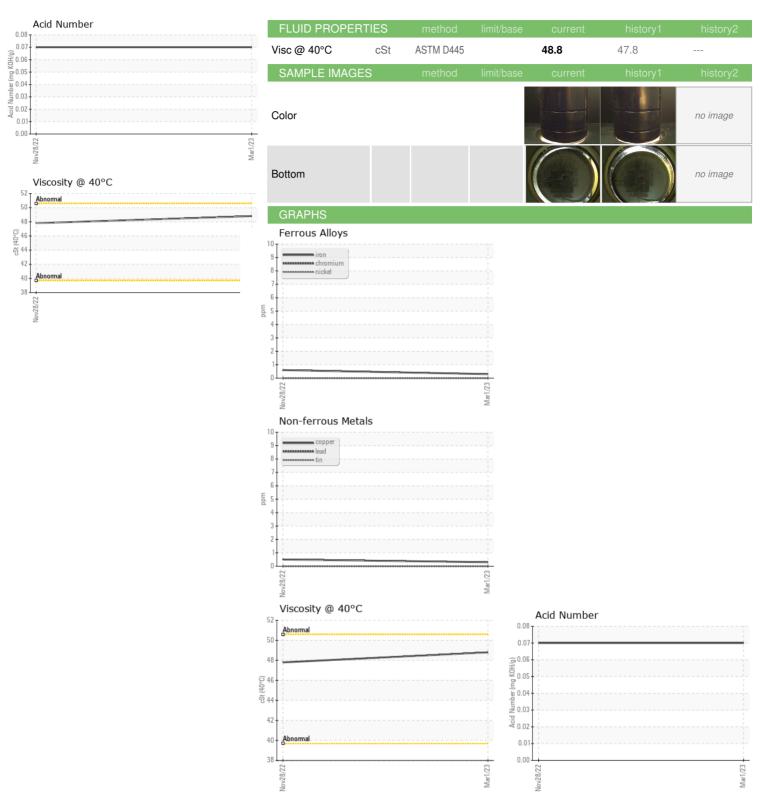
## **Fluid Condition**

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

			Nov2022	Mar <sup>2</sup> 023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
	17111011		IIIIIIIIIII			
Sample Number		Client Info		UCH05783883	UCH05708559	
Sample Date		Client Info		01 Mar 2023	28 Nov 2022	
Machine Age	hrs	Client Info		3839	3839	
Oil Age	hrs	Client Info		0	3839	
Oil Changed		Client Info		Not Changd	Not Changd	
Sample Status				NORMAL	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	<1	
Chromium	ppm	ASTM D5185m	>5	0	0	
Nickel	ppm	ASTM D5185m		0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		<1	0	
Aluminum	ppm	ASTM D5185m	>15	<1	<1	
Lead	ppm	ASTM D5185m	>65	0	0	
Copper	ppm	ASTM D5185m	>65	<1	<1	
Tin	ppm	ASTM D5185m	>10	0	0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	nnm	ASTM D5185m	mmo sass	0	0	
Barium	ppm	ASTM D5185m		0	0	
	ppm	ASTM D5185m		0	0	
Molybdenum	ppm			0	0	
Manganese Magnesium	ppm	ASTM D5185m ASTM D5185m		<1	0	
Calcium	ppm	ASTM D5185m		0	0	
	ppm	ASTM D5185m		39	30	
Phosphorus	ppm					
Zinc	ppm	ASTM D5185m		65	52 51	
Sulfur	ppm	ASTM D5185m		76		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	<1	0	
Sodium	ppm	ASTM D5185m		<1	1	
Potassium	ppm	ASTM D5185m	>20	<1	0	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.07	0.07	
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	



# **OIL ANALYSIS REPORT**







Laboratory Sample No. Lab Number

: 05783883 Unique Number : 10363553 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : UCH05783883 Received : 06 Mar 2023

Diagnosed Diagnostician : Don Baldridge

: 07 Mar 2023

**TOTAL EQUIPMENT COMPANY** 

200 SMILEY DR SAINT ALBANS, WV US 25177

Contact:

T:

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)