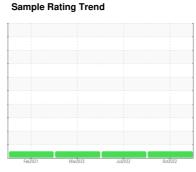


OIL ANALYSIS REPORT

TEC 10K
Machine Id
ATLAS COPCO AIF097826 - ARCH COAL

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

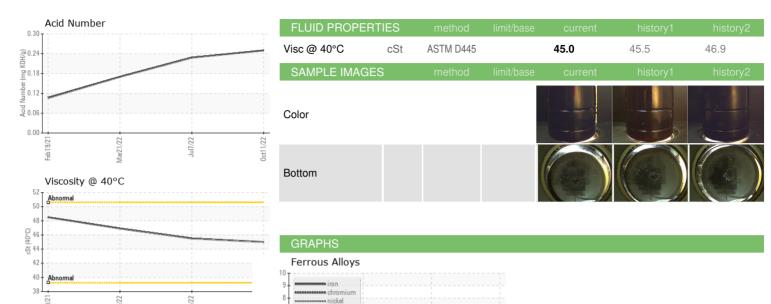
Fluid Condition

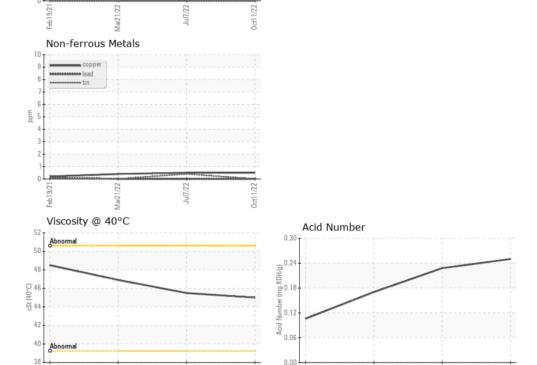
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Feb2021 Mar2022 Jul2022 Oct2022						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		UCH05670489	UCH05588918	UCH05503912
Sample Date		Client Info		11 Oct 2022	07 Jul 2022	21 Mar 2022
Machine Age	hrs	Client Info		69639	68949	68131
Oil Age	hrs	Client Info		8000	2723	2950
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	3	4
Chromium	ppm	ASTM D5185m	>5	0	0	0
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	<1	<1
Aluminum	ppm	ASTM D5185m	>15	2	8	5
Lead	ppm	ASTM D5185m	>65	0	0	0
Copper	ppm	ASTM D5185m	>65	<1	<1	<1
Tin	ppm	ASTM D5185m	>10	0	<1	0
Antimony	ppm	ASTM D5185m	-10			
Vanadium		ASTM D5185m		<1	0	0
	ppm					
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m		172	192	106
Zinc	ppm	ASTM D5185m		46	73	36
Sulfur	ppm	ASTM D5185m		450	659	309
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	5	6	4
Sodium	ppm	ASTM D5185m		<1	2	3
Potassium	ppm	ASTM D5185m	>20	0	0	0
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.25	0.228	0.17
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	ntackle@ation: ?	
	Journ					



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 10180059 Test Package : IND 2

: 05670489

: UCH05670489

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 19 Oct 2022 Diagnosed : 20 Oct 2022

Oct11/22

Diagnostician : Jonathan Hester

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)