

## **OIL ANALYSIS REPORT**

Sample Rating Trend

## NORMAL

## Area **ROTO XTEND [419553] ATLAS COPCO ITJ354998** Component

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.

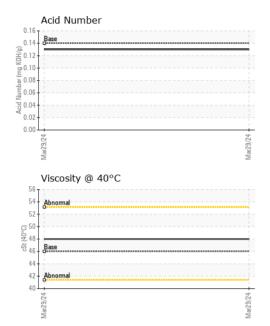
#### Fluid Condition

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

SAMPLE INFORM	<b>IATION</b>	method	limit/base	current	history1	history2
Sample Number		Client Info		UCH06148802		
Sample Date		Client Info		29 Mar 2024		
Machine Age	hrs	Client Info		8316		
Oil Age	hrs	Client Info		4000		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATION	N	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0		
Chromium	ppm	ASTM D5185m	>5	0		
Nickel	ppm	ASTM D5185m		1		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>15	0		
Lead	ppm	ASTM D5185m	>65	0		
Copper	ppm	ASTM D5185m	>65	<1		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		0		
Calcium	ppm	ASTM D5185m		0		
Phosphorus	ppm	ASTM D5185m		34		
Zinc	ppm	ASTM D5185m		50		
Sulfur	ppm	ASTM D5185m		141		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	<1		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	0		
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.14	0.13		



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	VISUAL		method		current	history1	history2
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
	Precipitate	scalar	*Visual	NONE	NONE		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	LIGHT		
4	Sand/Dirt	scalar	*Visual	NONE	NONE		
Mar29/24	Appearance	scalar	*Visual	NORML	NORML		
2	Odor Emulsified Water	scalar	*Visual	NORML	NORML NEG		
	Free Water	scalar scalar	*Visual *Visual	>0.1	NEG		
				11 14 11			
	FLUID PROPERT Visc @ 40°C	cSt	method ASTM D445	limit/base 46	current 48.0	history1	history2
	SAMPLE IMAGES	S	method	limit/base	current	history1	history2
Mar29/24 +	Color				• 0.	no image	no image
	Bottom					no image	no image
	Ferrous Alloys	S		Mar29/24	Acid Number		
	ase ase Abnormal 40			Mar29/24 + (mg K0H(g))	Mair29/24		Mar29/24
Laboratory Sample No. Lab Number Unique Number Test Package o discuss this sample report, Denotes test methods that	: 10978880 : IND 2 <i>contact Customer Serv</i>	ived : 15 ed : 16 nosed : 17 800-237-1365	n Ave., Cary, NC 27513 AIRMA ved : 15 Apr 2024 d : 16 Apr 2024 osed : 17 Apr 2024 - Don Baldridge 00-237-1369. ediaz@airma			TIC COMPRESSOR SYSTEMS 700 WASHINGTON AVE CARLSTADT, N. US 07072 Contact: ELVIN DIA2 aticcompressor.com;canastasio@wearcheckusa.com T: (800)864-762	

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Contact/Location: ELVIN DIAZ - UCAIRCAR