

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

Area **ROTO XTEND [417642] ATLAS COPCO ITJ930802** 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

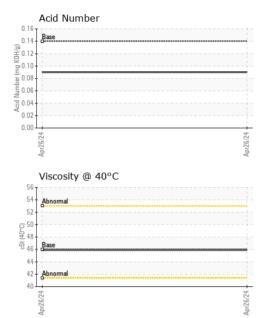
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORM	/IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		UCH06173973		
Sample Date		Client Info		26 Apr 2024		
Machine Age	hrs	Client Info		3238		
Oil Age	hrs	Client Info		3238		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATIO	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	<1		
Chromium	ppm	ASTM D5185m	>5	<1		
Nickel	ppm	ASTM D5185m		10		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>15	<1		
Lead	ppm	ASTM D5185m	>65	1		
Copper	ppm	ASTM D5185m	>65	1		
Tin	ppm	ASTM D5185m	>10	1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		<1		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		6		
Calcium	ppm	ASTM D5185m		0		
Phosphorus	ppm	ASTM D5185m		39		
Zinc	ppm	ASTM D5185m		33		
Sulfur	ppm	ASTM D5185m		104		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	4		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	2		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.14	0.09		



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VISUAL



	VISUAL		method	limit/base	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	NONE			
	Sand/Dirt	scalar	*Visual	NONE	NONE			
Apr26/24	Appearance	scalar	*Visual	NORML	NORML			
Apr2	Odor	scalar	*Visual	NORML	NORML			
	Emulsified Water	scalar	*Visual	>0.1	NEG			
	Free Water	scalar	*Visual		NEG			
	FLUID PROPERT		method	limit/base	current	history1	history2	
	Visc @ 40°C	cSt	ASTM D445	46	45.9			
	SAMPLE IMAGES	5	method	limit/base	current	history1	history2	
Apr26/24 +	Color				a.	no image	no image	
	Bottom					no image	no image	
	Non-ferrous Metal			Apr26/24	Acid Number			
	55 Abnormal (1,10) 8 40 + 12/9 2/64 40 + 12/9 2/64			Api26/24	5 - Base 			
Denotes test methods that	: 11020026 Diagnosed : 12 May 2024 - Don Baldridge US							

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Contact/Location: ELVIN DIAZ - UCAIRCAR