

OIL ANALYSIS REPORT

ROTO X [416883] ATLAS COPCO API487560 - SMK NUTRA

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

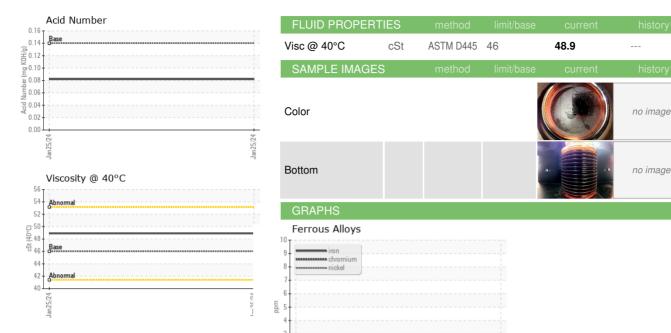
Fluid Condition

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

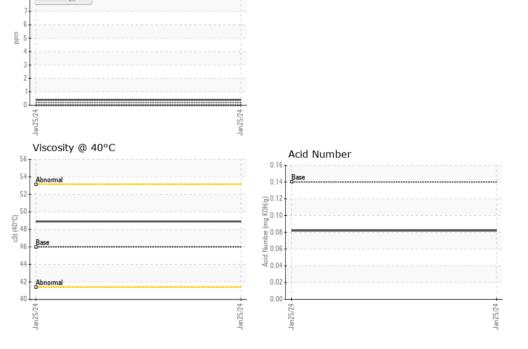
				Jan2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
	17111011		IIIIIIIIIII			History2
Sample Number		Client Info		UCH06142353		
Sample Date	,	Client Info		25 Jan 2024		
Machine Age	hrs	Client Info		15924		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0		
Chromium	ppm	ASTM D5185m	>5	<1		
Nickel	ppm	ASTM D5185m		0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		<1		
Aluminum	ppm	ASTM D5185m	>15	2		
Lead	ppm	ASTM D5185m	>65	0		
Copper	ppm	ASTM D5185m	>65	<1		
Tin	ppm	ASTM D5185m	>10	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		<1		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m		<1		
Calcium	ppm	ASTM D5185m		4		
Phosphorus	ppm	ASTM D5185m		20		
Zinc	ppm	ASTM D5185m		21		
Sulfur	ppm	ASTM D5185m		0		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	0		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	2		
Water	%	ASTM D6304	>0.1	NEG		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.14	0.082		
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		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.1	NEG		
Free Water	scalar	*Visual		NEG	ation:_ELVIN DIA	Z - <u>U</u> ÇAIRCAF



OIL ANALYSIS REPORT



Non-ferrous Metals







Certificate 12367

Sample No.

Lab Number : 06142353 Unique Number : 10967161

: UCH06142353

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received

: 08 Apr 2024 **Tested** : 11 Apr 2024 Diagnosed

: 11 Apr 2024 - Don Baldridge

700 WASHINGTON AVE CARLSTADT, NJ

US 07072 Contact: ELVIN DIAZ ediaz@airmaticcompressor.com;canastasio@wearcheckusa.com

AIRMATIC COMPRESSOR SYSTEMS

Test Package : IND 2 (Additional Tests: KF) 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.

T: (800)864-7621 F: (201)342-6241

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