

OIL ANALYSIS REPORT

SYNOIL 8K

ATLAS COPCO API325486 - FOX RIVER VALLEY ETHANOL

Component Compressor

Sample Rating Trend



Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		UCZ06144422		
Sample Date		Client Info		28 Mar 2024		
Machine Age	hrs	Client Info		5792		
Oil Age	hrs	Client Info		1242		
Oil Changed		Client Info		N/A		
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	3		
Chromium	ppm	ASTM D5185m	>5	<1		
Nickel	ppm	ASTM D5185m		<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>15	2		
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	0.3	0		
Barium	ppm	ASTM D5185m	0.3	1		
Molybdenum	ppm	ASTM D5185m	0	<1		
Manganese	ppm	ASTM D5185m	0.9	<1		
Magnesium	ppm	ASTM D5185m	0.2	<1		
Calcium	ppm	ASTM D5185m	0.1	4		
Phosphorus	ppm	ASTM D5185m	429	136		
Zinc	ppm	ASTM D5185m	0.3	16		
Sulfur	ppm	ASTM D5185m	1336	506		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	3		
Sodium	ppm	ASTM D5185m		<1		
Potassium	ppm	ASTM D5185m	>20	1		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

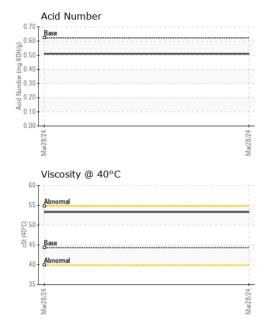
0.51

Acid Number (AN)

mg KOH/g ASTM D8045 0.622



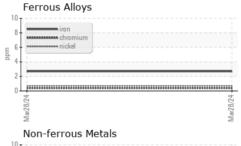
OIL ANALYSIS REPORT



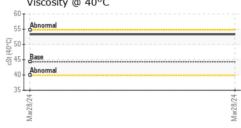
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.1	NEG		
Free Water	scalar	*Visual		NEG		
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	44 32	53.3		

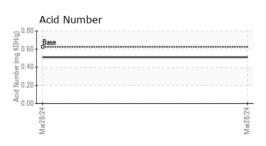
SAMPLE IMAGES	method			history2
Color			no image	no image
Bottom			no image	no image

GRAPHS



10 T I	on remous metals	
8-	copper	
6-	ennannan tin	
4		
0		
Mar28/24		Mar28/24
	iscosity @ 40°C	









Sample No.

: UCZ06144422 Lab Number : 06144422 Unique Number : 10969230

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 10 Apr 2024 **Tested** : 11 Apr 2024 Diagnosed

: 12 Apr 2024 - Angela Borella

ZORN COMP & EQUIPMENT CO (GB) 733 POTTS AVE GREEN BAY, WI US 54304 Contact: DEAN SCHAD

Test Package : IND 2 Certificate 12367 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.

dean.schad@zornair.com T: (920)391-8121 F: (920)499-1168

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: DEAN SCHAD - UCZORGRE

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