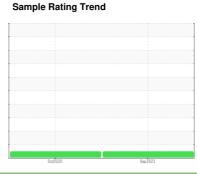


OIL ANALYSIS REPORT

ACI-46 [J10904-V1] Machine Id KAESER 2141 - ROCKINGHAM STEEL

Component

Compressor





DIAGNOSIS

Recommendation

We suspect abnormal metal contamination may be due to sampling method. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

Moderate concentration of visible metal present. 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.

			0ct2020	Sep 2023			
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		UCH05967896	UCH05104645		
Sample Date		Client Info		29 Sep 2023	22 Oct 2020		
Machine Age	hrs	Client Info		44948	39527		
Oil Age	hrs	Client Info		1973	3282		
Oil Changed		Client Info		Not Changd	Changed		
Sample Status				NORMAL	NORMAL		
WEAR METALS		method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>50	0	2		
Chromium	ppm	ASTM D5185m	>10	0	0		
Nickel	ppm	ASTM D5185m	>3	0	0		
Titanium	ppm	ASTM D5185m	>3	0	0		
Silver	ppm	ASTM D5185m	>2	0	<1		
Aluminum	ppm	ASTM D5185m	>10	0	1		
Lead	ppm	ASTM D5185m	>10	0	<1		
Copper	ppm	ASTM D5185m	>50	0	2		
Tin	ppm	ASTM D5185m	>10	<1	0		
Antimony	ppm	ASTM D5185m			0		
Vanadium	ppm	ASTM D5185m		0	0		
Cadmium	ppm	ASTM D5185m		0	0		
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	1.5	0	1		
Barium	ppm	ASTM D5185m	0	0	0		
Molybdenum	ppm	ASTM D5185m	0	0	0		
Manganese	ppm	ASTM D5185m	0.3	<1	0		
Magnesium	ppm	ASTM D5185m	0	<1	1		
Calcium	ppm	ASTM D5185m	0	1	<1		
Phosphorus	ppm	ASTM D5185m	406	205	35		
Zinc	ppm	ASTM D5185m	0	0	5		
Sulfur	ppm	ASTM D5185m	1283	593	3		
CONTAMINANTS		method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	<1	<1		
Sodium	ppm	ASTM D5185m		0	0		
Potassium	ppm	ASTM D5185m	>20	<1	<1		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045	0.463	0.09	0.245		
VISUAL		method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	MODER	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE	NONE		
Silt	scalar	*Visual	NONE	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG		
Free Water	scalar	*Visual		NEG	itionNEIGL RIME	R - UCATLSAL	



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number

: UCH05967896 : 05967896 Unique Number : 10674447 Test Package : IND 2

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

: 03 Oct 2023 : 05 Oct 2023 Diagnostician : Jonathan Hester

ATLANTIC COMPRESSORS 2144 SALEM INDUSTRIAL DRIVE

SALEM, VA US 24153

F: (757)216-0134

Contact: BILL RIMER bill@atlanticcompressors.com

T: (540)728-1147

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)