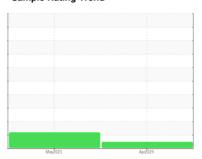


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL

Machine Id

KAESER 4946507

Component Compressor

KAESER SIGMA (OEM) M-460 (--- GAL)

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

The amount and size of particulates present in the system are acceptable. 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.

			May2023	Apr2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA016337	KCP52395	
Sample Date		Client Info		01 Apr 2024	10 May 2023	
Machine Age	hrs	Client Info		78637	71267	
Oil Age	hrs	Client Info		7400	0	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	ATTENTION	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	
Chromium	ppm	ASTM D5185m	>10	<1	<1	
Nickel	ppm	ASTM D5185m	>3	<1	<1	
Titanium	ppm	ASTM D5185m		<1	<1	
Silver	ppm	ASTM D5185m	>2	<1	0	
Aluminum	ppm	ASTM D5185m	>10	2	<1	
Lead	ppm	ASTM D5185m	>10	0	0	
Copper	ppm	ASTM D5185m	>50	47	14	
Tin	ppm	ASTM D5185m	>10	<1	<1	
Vanadium	ppm	ASTM D5185m	>10	<1	0	
Cadmium		ASTM D5185m		0	0	
	ppm		limit/base			histow.O
ADDITIVES		method		current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	
Barium	ppm	ASTM D5185m	90	<1	0	
Molybdenum	ppm	ASTM D5185m	0	0	<1	
Manganese	ppm	ASTM D5185m		0	<1	
Magnesium	ppm	ASTM D5185m	100	1	9	
Calcium	ppm	ASTM D5185m	0	3	0	
Phosphorus	ppm	ASTM D5185m	0	3	6	
Zinc	ppm	ASTM D5185m	0	3	4	
Sulfur	ppm	ASTM D5185m	23500	22742	17292	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	1	
Sodium	ppm	ASTM D5185m		0	2	
Potassium	ppm	ASTM D5185m	>20	1	<1	
Water	%	ASTM D6304	>0.05	0.007	0.005	
ppm Water	ppm	ASTM D6304	>500	71	55.3	
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		1100	2790	
Particles >6µm		ASTM D7647	>1300	447	725	
Particles >14μm		ASTM D7647	>80	49	150	
Particles >21µm		ASTM D7647	>20	10	5 3	
Particles >38µm		ASTM D7647	>4	0	4	
Particles >71µm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>/17/13	17/16/13	19/17/14	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.41	0.54	



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: KCPA016337 Lab Number : 06142269 Unique Number: 10967077

Received **Tested**

: 08 Apr 2024 : 11 Apr 2024 Diagnosed Test Package : IND 2 (Additional Tests: KF, PrtCount)

: 11 Apr 2024 - Don Baldridge

34 LAKES BLVD STE 103 DAYTON, NV US 89403

Contact: K. FURR kfurr@lyon-county.org

To discuss this sample report, contact Customer Service at 1-800-237-1369. st - 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)

T:

F: