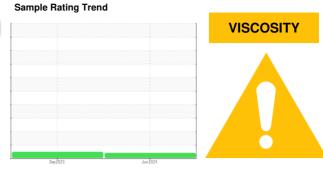


OIL ANALYSIS REPORT

[73574331] **KAESER 8459890**

Component Compressor

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



DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. 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. The amount and size of particulates present in the system are acceptable.

Fluid Condition

The oil viscosity is higher than normal. The AN level is acceptable for this fluid.

			Sep2023	Jun2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC129384	KC124591	
Sample Date		Client Info		03 Jun 2024	26 Sep 2023	
Machine Age	hrs	Client Info		7805	3923	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Changed	N/A	
Sample Status				MARGINAL	NORMAL	***
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	
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	0	
Aluminum	ppm	ASTM D5185m	>10	0	0	
Lead	ppm	ASTM D5185m	>10	0	0	
Copper	ppm	ASTM D5185m	>50	6	12	
Tin	ppm	ASTM D5185m	>10	0	0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	
Barium	ppm	ASTM D5185m	90	0	0	
Molybdenum	ppm	ASTM D5185m	0	0	0	
Manganese	ppm	ASTM D5185m		0	0	
Magnesium	ppm	ASTM D5185m	100	<1	4	
Calcium	ppm	ASTM D5185m	0	0	0	
Phosphorus	ppm	ASTM D5185m	0	2	3	
Zinc	ppm	ASTM D5185m	0	0	0	
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	
Sodium	ppm	ASTM D5185m		<1	1	
Potassium	ppm	ASTM D5185m	>20	0	<1	
Water	%	ASTM D6304	>0.05	0.007	0.005	
ppm Water	ppm	ASTM D6304	>500	71	58.7	
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		3800	1532	
Particles >6µm		ASTM D7647	>1300	908	450	
Particles >14µm		ASTM D7647	>80	35	17	
Particles >21µm		ASTM D7647	>20	6	4	
Particles >38µm		ASTM D7647	>4	0	0	
Particles >71µm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>/17/13	19/17/12	18/16/11	
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.45	0.35	



OIL ANALYSIS REPORT





Certificate 12367

Laboratory Sample No. Lab Number

: KC129384 : 06202064 Unique Number : 11069525 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 06 Jun 2024 **Tested** Diagnosed

: 13 Jun 2024 : 18 Jun 2024 - Jonathan Hester 298 HARBOR BLVD BELMONT, CA

Contact: MICHAEL GOTTESMAN MICHAEL.GOTTESMAN@ALCON.COM

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)

Report Id: ALCBEL [WUSCAR] 06202064 (Generated: 06/19/2024 10:36:21) Rev: 1

Contact/Location: MICHAEL GOTTESMAN - ALCBEL

US 94002

T:

F: