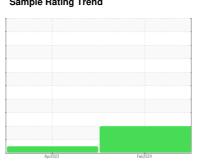


OIL ANALYSIS REPORT

Sample Rating Trend



ISO



KAESER 6677981

Component

Compressor

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

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. The 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 a high amount of particulates present in the oil.

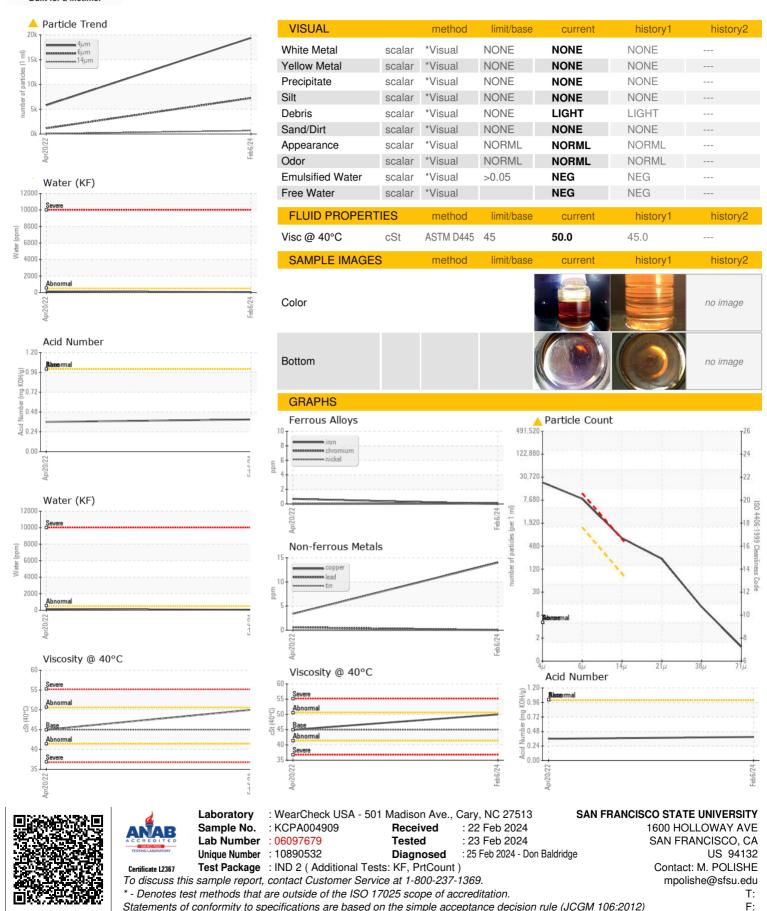
Fluid Condition

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

			Apr2022	Feb 2024	<u></u>	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA004909	KCP44374	
Sample Date		Client Info		06 Feb 2024	20 Apr 2022	
Machine Age	hrs	Client Info		11962	3971	
Oil Age	hrs	Client Info		0	3000	
Oil Changed		Client Info		N/A	Changed	
Sample Status				ABNORMAL	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	<1	
Chromium	ppm	ASTM D5185m	>10	<1	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		0	<1	
Lead	ppm	ASTM D5185m	>10	0	<1	
Copper	ppm	ASTM D5185m		14	3	
Tin	ppm	ASTM D5185m	>10	0	0	
Vanadium	ppm	ASTM D5185m	>10	0	0	
Cadmium		ASTM D5185m		0	0	
	ppm			· ·		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	<1	
Barium	ppm	ASTM D5185m	90	<1	30	
Molybdenum	ppm	ASTM D5185m	0	0	0	
Manganese	ppm	ASTM D5185m		0	<1	
Magnesium	ppm	ASTM D5185m	100	2	80	
Calcium	ppm	ASTM D5185m	0	1	2	
Phosphorus	ppm	ASTM D5185m	0	<1	1	
Zinc	ppm	ASTM D5185m	0	6	6	
Sulfur	ppm	ASTM D5185m	23500	18935	15913	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	1	1	
Sodium	ppm	ASTM D5185m		2	11	
Potassium	ppm	ASTM D5185m	>20	0	2	
Water	%	ASTM D6304	>0.05	0.005	0.014	
ppm Water	ppm	ASTM D6304	>500	59	142.4	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		19405	5798	
Particles >6µm		ASTM D7647	>1300	^ 7259	1144	
Particles >14µm		ASTM D7647	>80	△ 675	69	
Particles >21µm		ASTM D7647	>20	196	24	
Particles >38µm		ASTM D7647	>4	<u> 11</u>	2	
Particles >71µm		ASTM D7647	>3	1	0	
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>^</u> 21/20/17	17/13	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.39	0.36	



OIL ANALYSIS REPORT



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