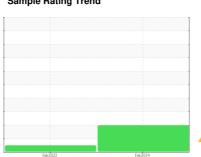


OIL ANALYSIS REPORT

Sample Rating Trend



ISO



KAESER 7370217

Component

Compressor

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

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 a high amount of particulates present in the oil.

Fluid Condition

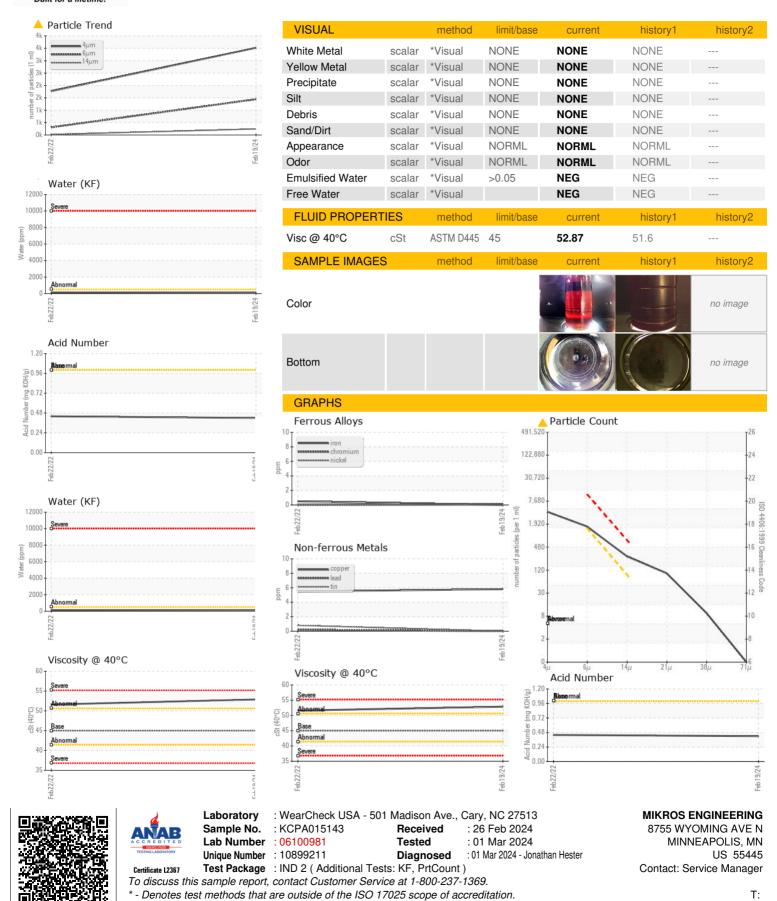
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

			Feb 2022	Feb 2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA015143	KCP35388	
Sample Date		Client Info		19 Feb 2024	22 Feb 2022	
Machine Age	hrs	Client Info		10249	5336	
Oil Age	hrs	Client Info		3230	3123	
Oil Changed		Client Info		Changed	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	<1	
Aluminum	ppm	ASTM D5185m	>10	2	2	
Lead	ppm	ASTM D5185m	>10	0	<1	
Copper	ppm	ASTM D5185m	>50	6	6	
Tin	ppm	ASTM D5185m	>10	0	<1	
Antimony	ppm	ASTM D5185m			1	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	<1	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	<1	
Barium	ppm	ASTM D5185m	90	56	54	
Molybdenum	ppm	ASTM D5185m	0	0	0	
Manganese	ppm	ASTM D5185m		0	<1	
Magnesium	ppm	ASTM D5185m	100	56	73	
Calcium	ppm	ASTM D5185m	0	2	2	
Phosphorus	ppm	ASTM D5185m	0	25	8	
Zinc	ppm	ASTM D5185m	0	4	<1	
Sulfur	ppm	ASTM D5185m	23500	20054	17983	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	18	37	
Sodium	ppm	ASTM D5185m		23	25	
Potassium	ppm	ASTM D5185m	>20	8	8	
Water	%	ASTM D6304	>0.05	0.010	0.014	
ppm Water	ppm	ASTM D6304	>500	110	142.3	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		3516	1766	
Particles >6µm		ASTM D7647	>1300	<u> </u>	307	
Particles >14μm		ASTM D7647	>80	<u> </u>	20	
Particles >21µm		ASTM D7647	>20	<u>^</u> 87	4	
Particles >38μm		ASTM D7647	>4	<u>^</u> 8	0	
Particles >71µm		ASTM D7647	>3	0	0	
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u> </u>	15/11	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

0.44



OIL ANALYSIS REPORT



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

F: