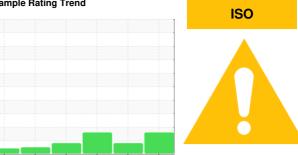


OIL ANALYSIS REPORT

Sample Rating Trend



KAESER ASD 40S 6017680 (S/N 1202)

Compressor

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

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. 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.

		Apr2018	Oct2019 Dec2020	Feb2022 Mar2023	Mar2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA013267	KCPA00459	KCP35112
Sample Date		Client Info		15 Mar 2024	10 Mar 2023	08 Feb 2022
Machine Age	hrs	Client Info		28261	23454	18301
Oil Age	hrs	Client Info		4087	0	3000
Oil Changed		Client Info		Changed	N/A	Changed
Sample Status				ABNORMAL	ATTENTION	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	<1	1
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	<1	3
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	15	13	15
Tin	ppm	ASTM D5185m	>10	0	0	<1
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m	90	0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m	90	3	<1	15
Calcium	ppm	ASTM D5185m	2	0	0	0
Phosphorus	ppm	ASTM D5185m		0	8	0
Zinc	ppm	ASTM D5185m		39	33	82
Sulfur	ppm	ASTM D5185m		21802	20739	18232
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	1	2
Sodium	ppm	ASTM D5185m		2	1	4
Potassium	ppm	ASTM D5185m	>20	0	0	0
Water	%	ASTM D6304	>0.05	0.004	0.008	0.012
ppm Water	ppm	ASTM D6304	>500	47	82.9	128.7
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		107297	5261	18137
Particles >6µm		ASTM D7647	>1300	A 39164	1315	4464
Particles >14μm		ASTM D7647	>80	<u> </u>	62	▲ 343
Particles >21µm		ASTM D7647	>20	<u> </u>	21	<u>▲</u> 116
Particles >38μm		ASTM D7647	>4	4	2	<u> 11</u>
Particles >71µm		ASTM D7647	>3	0	0	1
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>4</u> 24/22/19	20/18/13	<u> </u>
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

0.45

0.53



OIL ANALYSIS REPORT

