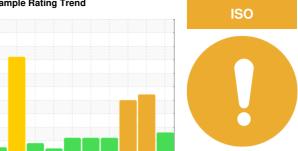


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id KAESER AS 20T 4648670 (S/N 1085)

Compressor

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

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 moderate 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.

		Oct2016 May2	017 May2018 Nov2018 Jun2	019 Mar2021 Mar2022 Nov2022 Sep2	023 Feb2024	
SAMPLE INFORM	NOITAN	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA015185	KCPA006156	KCP45794
Sample Date		Client Info		14 Feb 2024	19 Sep 2023	07 Nov 2022
Machine Age	hrs	Client Info		30920	30194	29904
Oil Age	hrs	Client Info		726	0	2960
Oil Changed		Client Info		Changed	N/A	N/A
Sample Status				ATTENTION	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	<1	<1
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>3	0	2	<u>^</u> 2
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	<1	0
Aluminum	ppm	ASTM D5185m	>10	2	0	<1
Lead	ppm	ASTM D5185m	>10	0	0	<1
Copper	ppm	ASTM D5185m	>50	5	19	13
Tin	ppm	ASTM D5185m	>10	0	<1	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	<1
Barium	ppm	ASTM D5185m	90	23	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	<1
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	90	55	11	15
Calcium	ppm	ASTM D5185m	2	1	3	<1
Phosphorus	ppm	ASTM D5185m		24	4	8
Zinc	ppm	ASTM D5185m		26	32	38
Sulfur	ppm	ASTM D5185m		19142	23937	23727
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	2	1
Sodium	ppm	ASTM D5185m		10	4	2
Potassium	ppm	ASTM D5185m	>20	3	2	<1
Water	%	ASTM D6304	>0.05	0.016	△ 0.376	△ 0.592
ppm Water	ppm	ASTM D6304	>500	165	▲ 3760	△ 5920
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		4670		
Particles >6µm		ASTM D7647	>1300	1731		
Particles >14µm		ASTM D7647	>80	127		
Particles >21µm		ASTM D7647	>20	<u>25</u>		
Particles >38μm		ASTM D7647	>4	1		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>/17/13	19/18/14		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.37	0.34	0.39



OIL ANALYSIS REPORT

