

OIL ANALYSIS REPORT

Sample Rating Trend



WATER

Machine Id

KAESER AC SM 15 5464407 (S/N 1528)

Component

Compressor

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

DIAGNOSIS

Recommendation

The filter change at the time of sampling has been noted. We advise that you stop the unit and follow the water drain-off procedure for this component. We recommend an early resample in 500 hours to monitor this condition.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of particulates present in the oil. There is a light concentration of water 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	Mar2019 Dec2019	Jan 2021 Feb 2022 Mar 2023	MarŽ024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA013478	KCPA001394	KCP34790
Sample Date		Client Info		01 Mar 2024	17 Mar 2023	22 Feb 2022
Machine Age	hrs	Client Info		15942	14635	12729
Oil Age	hrs	Client Info		1357	0	1614
Oil Changed		Client Info		Not Changd	N/A	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ATTENTION
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	<1	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	<1	<1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	6	7	3
Tin	ppm	ASTM D5185m	>10	0	0	0
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	<1
Barium	ppm	ASTM D5185m	90	7	0	2
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m	100	56	65	83
Calcium	ppm	ASTM D5185m	0	1	3	<1
Phosphorus	ppm	ASTM D5185m	0	0	3	5
Zinc	ppm	ASTM D5185m	0	8	9	7
Sulfur	ppm	ASTM D5185m	23500	21302	23441	17456
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	1	<1
Sodium	ppm	ASTM D5185m		6	21	17
Potassium	ppm	ASTM D5185m	>20	0	3	<1
Water	%	ASTM D6304	>0.05	△ 0.123	△ 0.067	0.019
ppm Water	ppm	ASTM D6304	>500	1230	<u>▲</u> 678.4	194.2
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		1201		8561
Particles >6µm		ASTM D7647	>1300	654		1963
Particles >14µm		ASTM D7647	>80	111		125
Particles >21µm		ASTM D7647	>20	37		33
Particles >38µm		ASTM D7647	>4	<u> </u>		3
Particles >71µm		ASTM D7647	>3	1		0
Oil Cleanliness		ISO 4406 (c)	>/17/13	17/17/14		18/14
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.36	0.31	0.32
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Laboratory Sample No. Lab Number

: KCPA013478 : 06125673 Unique Number: 10939824

Tested Diagnosed

Test Package: IND 2 (Additional Tests: KF, PrtCount)

To discuss this sample report, contact Customer Service at 1-800-237-1369. * - 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)

CNC SOFTWARE 671 OLD POST RD

TOLLAND, CT US 06084

Contact: SERVICE MANAGER

Received

: 21 Mar 2024

: 27 Mar 2024

: 27 Mar 2024 - Jonathan Hester

T: F: