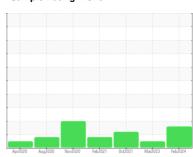


OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id 1041 Component

Compressor

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

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. 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.

		Apr2020	Aug2020 Nov2020	Feb 2021 Oct2021 Mar2023	Feb 2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC101480	KC101477	KC100077
Sample Date		Client Info		01 Feb 2024	04 Mar 2023	05 Oct 2021
Machine Age	hrs	Client Info		42538	35443	24461
Oil Age	hrs	Client Info		3890	4880	2014
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				ABNORMAL	NORMAL	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	0
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	1	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	<1
Aluminum	ppm	ASTM D5185m	>10	<1	0	0
Lead	ppm	ASTM D5185m	>10	2	0	0
Copper	ppm	ASTM D5185m	>50	10	8	<u></u> ▲ 54
Tin	ppm	ASTM D5185m	>10	1	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	<1
Barium	ppm	ASTM D5185m	90	0	5	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		2	<1	0
Magnesium	ppm	ASTM D5185m	90	16	29	0
Calcium	ppm	ASTM D5185m	2	1	<1	0
Phosphorus	ppm	ASTM D5185m		<1	3	0
Zinc	ppm	ASTM D5185m		8	0	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	1	0	0
Sodium	ppm	ASTM D5185m		16	1	0
Potassium	ppm	ASTM D5185m		6	2	0
Water	%	ASTM D6304	>0.05	0.008	0.008	0.006
ppm Water	ppm	ASTM D6304	>500	83	8.08	68.1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		5481	1917	9910
Particles >6µm		ASTM D7647	>1300	<u>^</u> 2103	595	▲ 2264
Particles >14μm		ASTM D7647	>80	<u> </u>	49	80
Particles >21µm		ASTM D7647	>20	<u></u> ▲ 68	11	10
Particles >38μm		ASTM D7647	>4	1	1	1
Particles >71μm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>^</u> 20/18/15	18/16/13	1 8/13
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
		ASTM D8045				



OIL ANALYSIS REPORT







Certificate L2367

Lab Number **Unique Number** Test Package

: 06077718 : 10859809 : IND 2

Diagnostician

: 04 Feb 2024 Diagnosed : Don Baldridge

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)

MANSFIELD, OH

US 44903 Contact: MATT BUZARD

matt.buzard@nanogate.com T: (419)521-0191

F: