

### **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# 1426226 (S/N 087175)

Component Compressor Fluid KAESER SIGMA (OEM) M-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.

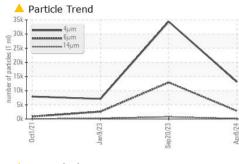
#### Fluid Condition

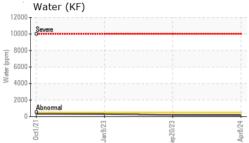
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

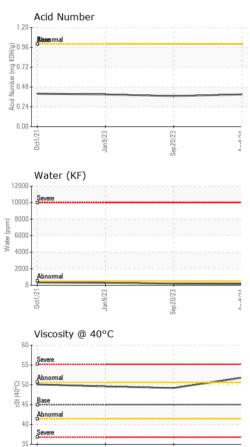
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA016375	KCP40032D	KCP53130
Sample Date		Client Info		08 Apr 2024	20 Sep 2023	09 Jan 2023
Machine Age	hrs	Client Info		42954	39903	36134
Oil Age	hrs	Client Info		0	0	7000
Oil Changed		Client Info		Changed	Not Changd	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>50	0	<1	0
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	0	<1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	0	2	<1
Tin	ppm	ASTM D5185m	>10	0	0	0
Antimony	ppm	ASTM D5185m				
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	0
Barium	ppm	ASTM D5185m	90	60	74	66
Volybdenum	ppm	ASTM D5185m	0	0	<1	0
Vanganese	ppm	ASTM D5185m		0	<1	0
Vagnesium	ppm	ASTM D5185m	100	67	84	84
Calcium	ppm	ASTM D5185m	0	2	4	1
Phosphorus	ppm	ASTM D5185m	0	0	3	2
Zinc	ppm	ASTM D5185m	0	0	0	5
Sulfur	ppm	ASTM D5185m	23500	21994	23771	23518
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	2	5	20
Sodium	ppm	ASTM D5185m		30	30	17
Potassium	ppm	ASTM D5185m	>20	<1	5	<1
Water	%	ASTM D6304	>0.05	0.017	0.019	0.029
opm Water	ppm	ASTM D6304	>500	172	194.6	299.2
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
⊃articles >4µm		ASTM D7647		13112	34384	7091
Particles >6µm		ASTM D7647	>1300	<u> </u>	<b>12912</b>	🔺 2595
Particles >14µm		ASTM D7647	>80	<b>A</b> 133	<b>A</b> 755	<b>2</b> 24
		ASTM D7647	>20	<u> </u>	<b>1</b> 58	<b>5</b> 4
Particles >21µm		ASTM D7647	>4	1	7	4
Particles >38µm		ASTM D7647	>3	0	1	0
Particles >38μm Particles >71μm			>3 >/17/13	0 <b>2</b> 1/19/14	1	0 <b>2</b> 0/19/15
Particles >21μm Particles >38μm Particles >71μm Oil Cleanliness FLUID DEGRADA	TION	ASTM D7647				



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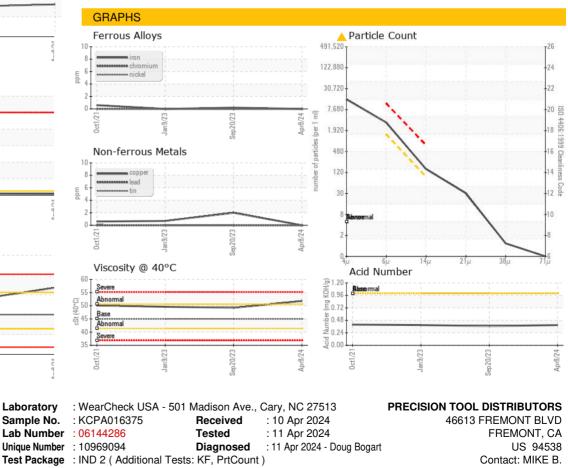




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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
View @ 40%0						
Visc @ 40°C	cSt	ASTM D445	45	51.8	49.2	49.6
SAMPLE IMAGES		ASTM D445 method	45 limit/base	51.8 current	49.2 history1	49.6 history2
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- 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)

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Sep 20/23

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