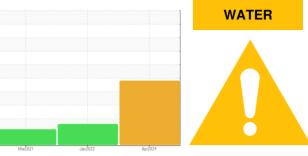


### **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# 4500677 (S/N 1105)

#### Compressor Fluid KAESER SIGMA (OEM) M-460 (--- GAL)

#### DIAGNOSIS

#### A Recommendation

Oil and filter change at the time of sampling has been noted. We were unable to perform a particle count due to a high concentration of particles present in this sample. 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 visible silt present in the sample. There is a moderate concentration of water present in the oil. Free water present.

#### Fluid Condition

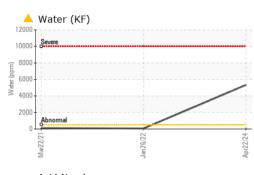
The AN level is acceptable for this fluid.

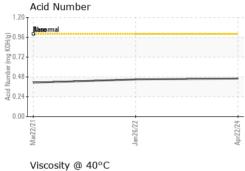
SAMPLE INFORM	<b>IATION</b>	method	limit/base	current	history1	history2
Sample Number Sample Date		Client Info Client Info		KCPA016154 22 Apr 2024	KCP40909 26 Jan 2022	KCP28441 22 Mar 2021
Machine Age	hrs	Client Info		11063	20 Jan 2022 8399	5301
Oil Age	hrs	Client Info		0	0	5301
Oil Changed	1115	Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	ATTENTION
-				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	1	0	0
Titanium	ppm	ASTM D5185m	>3	<1	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	<1
Aluminum	ppm	ASTM D5185m	>10	2	<1	<1
Lead	ppm	ASTM D5185m	>10	1	<1	0
Copper	ppm	ASTM D5185m	>50	7	3	3
Tin	ppm	ASTM D5185m	>10	1	<1	0
Antimony	ppm	ASTM D5185m			0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	10
Barium	ppm	ASTM D5185m	90	1	0	0
Molybdenum	ppm	ASTM D5185m	0	1	0	0
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m	100	14	2	19
Calcium	ppm	ASTM D5185m	0	4	0	0
Phosphorus	ppm	ASTM D5185m	0	3	3	4
Zinc	ppm	ASTM D5185m	0	6	20	14
Sulfur	ppm	ASTM D5185m	23500	21719	18551	16241
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	1	<1	<1
Sodium	ppm	ASTM D5185m		2	1	6
Potassium	ppm	ASTM D5185m	>20	2	<1	<1
Water	%	ASTM D6304	>0.05	<b>A</b> 0.533	0.005	0.011
ppm Water	ppm	ASTM D6304	>500	<b>6</b> 5330	58.5	111.7
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647			13813	12272
Particles >6µm		ASTM D7647	>1300		<u> </u>	<b>1567</b>
Particles >14µm		AOTH DZ04Z	00		A 007	0103
		ASTM D7647	>80		<u> </u>	100
Particles >21µm		ASTM D7647 ASTM D7647			▲ 79	33
-						-
Particles >21µm Particles >38µm Particles >71µm		ASTM D7647	>20 >4		<b>▲</b> 79	33
Particles >38µm		ASTM D7647 ASTM D7647	>20 >4		<ul><li>▲ 79</li><li>▲ 6</li></ul>	<b>3</b> 3
Particles >38µm Particles >71µm	TION	ASTM D7647 ASTM D7647 ASTM D7647	>20 >4 >3		<ul><li>▲ 79</li><li>▲ 6</li><li>0</li></ul>	33 1 0

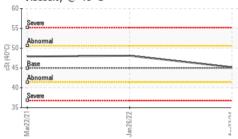
Report Id: WHISAN [WUSCAR] 06159803 (Generated: 04/26/2024 13:14:19) Rev: 1



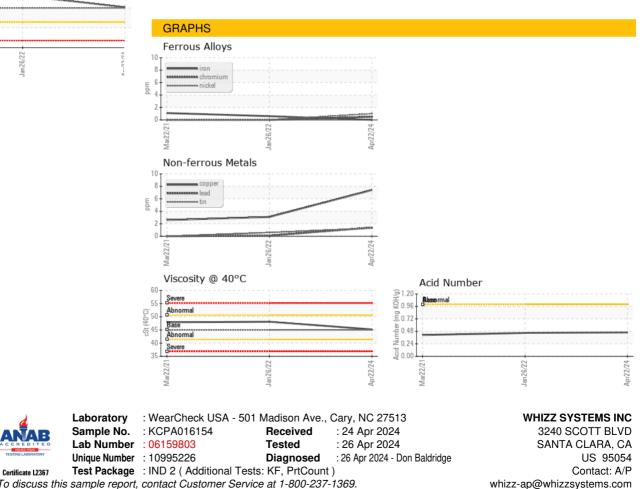
## **OIL ANALYSIS REPORT**







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	A MODER	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	🛑 HAZY	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	<b>6.2%</b>	NEG	NEG
Free Water	scalar	*Visual		<mark>▲</mark> 1.0	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	45	45.2	48.1	47.9
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Color						
Bottom						



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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Contact/Location: A/P ? - WHISAN

T:

F: