

### **OIL ANALYSIS REPORT**

# KAESER SM 10 4403628 (S/N 1232)

Compressor

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

#### DIAGNOSIS

#### Recommendation

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

#### Wear

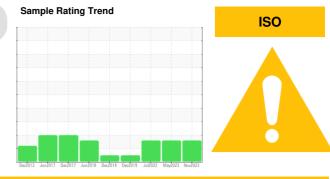
All component wear rates are normal.

#### Contamination

There is a 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.



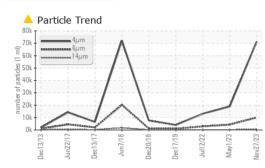
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA008745	KCPA000306	KCP44616
Sample Date		Client Info		27 Nov 2023	01 May 2023	12 Jul 2022
Machine Age	hrs	Client Info		14568	13246	12561
Oil Age	hrs	Client Info		0	0	1494
Oil Changed		Client Info		N/A	N/A	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	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	4	1	5
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	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	100	14	31	10
Calcium	ppm	ASTM D5185m	0	0	2	0
Phosphorus	ppm	ASTM D5185m	0	4	2	<1
Zinc	ppm	ASTM D5185m	0	11	14	37
Sulfur	ppm	ASTM D5185m	23500	18535	23699	18275
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	0
Sodium	ppm	ASTM D5185m		5	12	7
Potassium	ppm	ASTM D5185m	>20	1	2	3
Water	%	ASTM D6304	>0.05	0.011	0.010	0.003
ppm Water	ppm	ASTM D6304		115	107.4	34.3
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		71343	18946	13160
Particles >6µm		ASTM D7647	>1300	<u> </u>	<b>4</b> 306	<b>A</b> 2885
Particles >14µm		ASTM D7647	>80	<b>4</b> 11	<b>1</b> 84	<b>1</b> 27
Particles >21µm		ASTM D7647	>20	<u> </u>	<u> </u>	<u> </u>
Particles >38µm		ASTM D7647	>4	2	0	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	<b>23/21/16</b>	<b>1</b> /19/15	<b>1</b> /19/14
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.30	0.30	0.26
16.52) Dov: 1	- 0			,	Contract/l acction	

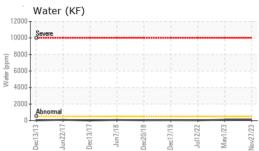
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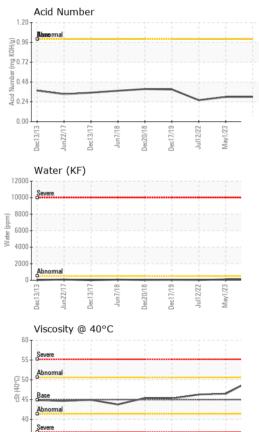
Contact/Location: ? ? - PENWIX

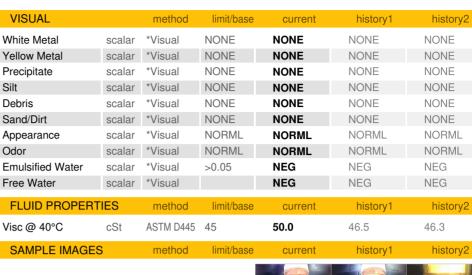


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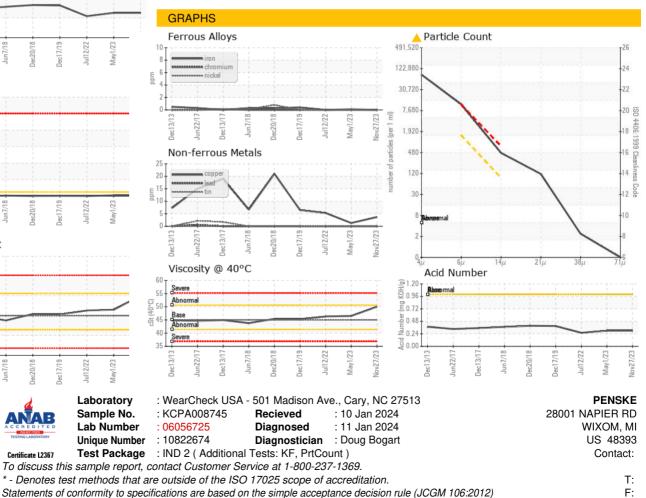




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