

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

KAESER 9198352 (S/N 2450)

Component Compressor Fluid KAESER SIGMA (OEM) S-460 (--- GAL)

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.

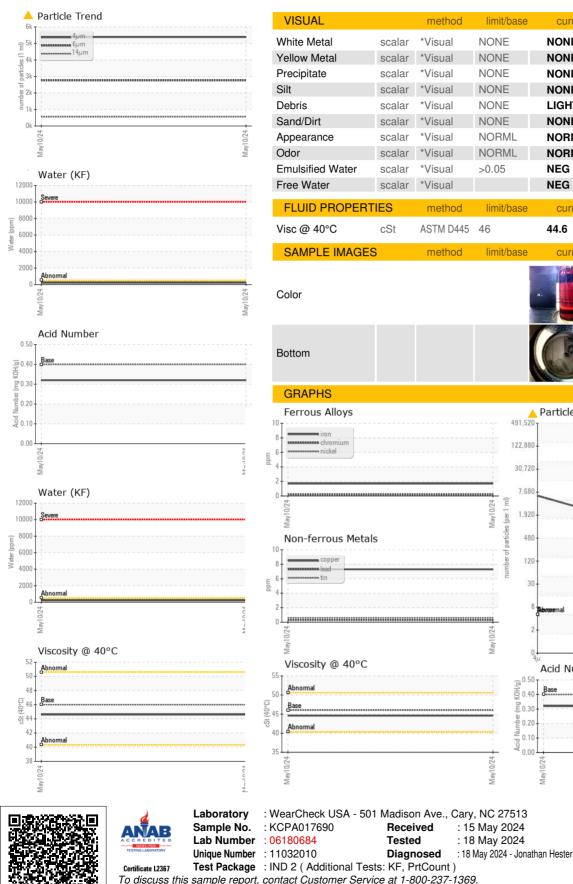
Fluid Condition

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

SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA017690		
Sample Date		Client Info		10 May 2024		
Machine Age	hrs	Client Info		3207		
Oil Age	hrs	Client Info		3207		
Oil Changed		Client Info		Not Changd		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	2		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m	>3	<1		
Titanium	ppm	ASTM D5185m	>3	<1		
Silver	ppm	ASTM D5185m	>2	<1		
Aluminum	ppm	ASTM D5185m	>10	2		
Lead	ppm	ASTM D5185m	>10	<1		
Copper	ppm	ASTM D5185m	>50	7		
Tin	ppm	ASTM D5185m	>10	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m	90	14		
Molybdenum	ppm	ASTM D5185m		<1		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	90	24		
Calcium	ppm	ASTM D5185m	2	2		
Phosphorus	ppm	ASTM D5185m		0		
Zinc	ppm	ASTM D5185m		10		
Sulfur	ppm	ASTM D5185m		22740		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	1		
Sodium	ppm	ASTM D5185m		7		
Potassium	ppm	ASTM D5185m	>20	5		
Water	%	ASTM D6304	>0.05	0.021		
ppm Water	ppm	ASTM D6304	>500	214		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		5384		
Particles >6µm		ASTM D7647	>1300	<u> </u>		
Particles >14µm		ASTM D7647	>80	6 555		
Particles >21µm		ASTM D7647	>20	<u> </u>		
Particles >38µm		ASTM D7647	>4	2		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>/17/13	20/19/16		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.32		

COMPRESSOR Built for a lifetime

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210 28 Acid Number Nan NORTHSTAR COLLISION 1136 S LINCOLN AVE

history1

history

history1

no image

no image

current

NONE

NONE

NONE

NONE

LIGHT

NONE

NORML

NORML

current

current

Particle Count

31

NEG

NEG

44.6

history2

history

history2

no image

no imade

4406

:1999 Cle

SAUK RAPIDS, MN US 56379 Contact: Service Manager

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)

Report Id: NORSAUMN [WUSCAR] 06180684 (Generated: 05/18/2024 17:34:14) Rev: 1

Contact/Location: Service Manager - NORSAUMN

T:

F: