

OIL ANALYSIS REPORT

Sample Rating Trend

ISO

Machine Id

KAESER AS 25T 4933779 (S/N 1360)

Component Compressor Fluid

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

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Oil and 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.

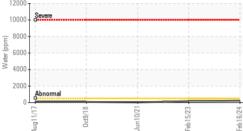
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA014264	KCP55208	KCP33891
Sample Date		Client Info		16 Feb 2024	15 Feb 2023	10 Jun 2021
Machine Age	hrs	Client Info		30448	27588	26029
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	<1	<1
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	<1	<1
Titanium	ppm			0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum		ASTM D5185m	>10	0	<1	0
	ppm	ASTM D5185m	>10	0	<1	<1
Lead	ppm			-		
Copper	ppm	ASTM D5185m	>50	3	8	38
Tin	ppm	ASTM D5185m	>10	0	0	<1
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	28
Barium	ppm	ASTM D5185m	90	4	4	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m	90	48	37	<1
Calcium	ppm	ASTM D5185m	2	<1	<1	0
Phosphorus	ppm	ASTM D5185m		1	<1	15
Zinc	ppm	ASTM D5185m		14	31	0
Sulfur	ppm	ASTM D5185m		22677	20741	16680
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	<1	2
Sodium	ppm	ASTM D5185m	00	11	13	<1
Potassium	ppm	ASTM D5185m		10	2	<1
Water	%	ASTM D6304	>0.05	0.023	0.017	0.002
ppm Water	ppm	ASTM D6304	>500	231	174.7	20.8
	FSS	method	limit/base	current	history1	history2
FLUID CLEANLIN	200	methou	in the base			
Particles >4µm		ASTM D7647		37799		
Particles >4µm	LUU			37799 ▲ 11541		
Particles >4μm Particles >6μm		ASTM D7647				
Particles >4μm Particles >6μm Particles >14μm		ASTM D7647 ASTM D7647	>1300 >80	🔺 11541		
Particles >4μm Particles >6μm Particles >14μm Particles >21μm		ASTM D7647 ASTM D7647 ASTM D7647	>1300 >80	▲ 11541▲ 779		
Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm		ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>1300 >80 >20 >4	 11541 779 162 		
		ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>1300 >80 >20 >4	 11541 779 162 4 		
Particles >4µm Particles >6µm Particles >14µm Particles >21µm Particles >38µm Particles >71µm		ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>1300 >80 >20 >4 >3	 11541 779 162 4 0 		

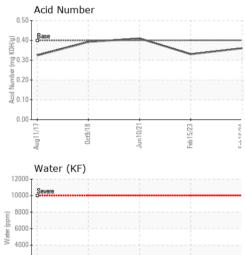
Report Id: CARAUSTX [WUSCAR] 06160956 (Generated: 04/29/2024 12:25:26) Rev: 1

Contact/Location: Service Manager - CARAUSTX

COMPRESSOR Built for a lifetime.

Particle Trend 40k 356 /1 ml) 30k .14un) 25k 20k 20k 15k 10k 10k 5 0 Feb16/24 Feb15/23 Water (KF) 12000





200 Abnormal n Feb15/23 Aug11 Viscosity @ 40°C 52 50 48 ()-41 ()-41 ()-44)()-44 ()-44)

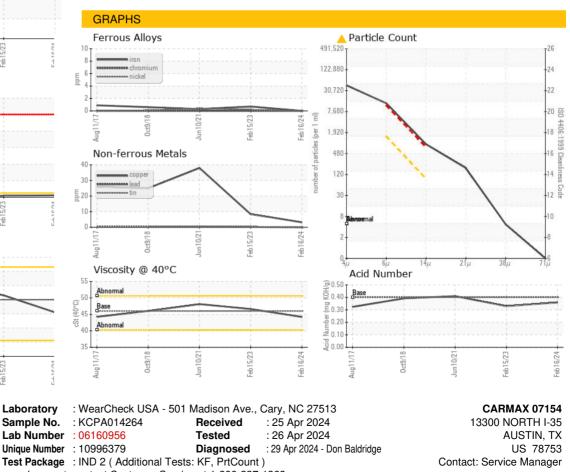
3

Aug11/17

47 Abnorm 4

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	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	🔺 MODER	🔺 MODER
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
Visc @ 40°C	cSt	ASTM D445	46	44.2	46.6	48.1
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Color						
Bottom					(\bigcirc)	



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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Certificate 12367

Feb15/23

Contact/Location: Service Manager - CARAUSTX

T:

F: