

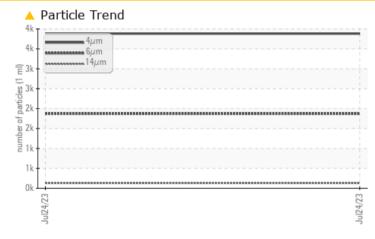
PROBLEM SUMMARY

KAESER SX3 8127883 (S/N 1157)

Compressor

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

COMPONENT CONDITION SUMMARY



RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS							
Sample Status			ATTENTION				
Particles >6µm	ASTM D7647	>1300	<u> </u>				
Particles >14µm	ASTM D7647	>80	126				
Oil Cleanliness	ISO 4406 (c)	>/17/13	<u> </u>				

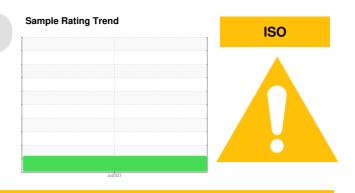
Customer Id: AMALEW Sample No.: KCPA004581 Lab Number: 05960690 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Doug Bogart +1 (800)237-1369 x4016 <u>dougb@wearcheckusa.com</u>

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

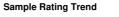


There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT



ISO

KAESER SX3 8127883 (S/N 1157)

Compressor

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

DIAGNOSIS

A Recommendation

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 moderate amount of particulates present in the oil.

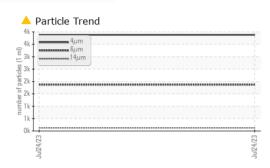
Fluid Condition

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

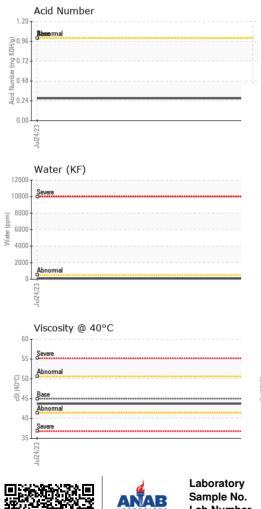
Iron ppm ASTM D5185m >50 <1			history1	current	limit/base	method	ATION	SAMPLE INFORM
Machine Age mths Client Info 1465 Oil Age mths Client Info N/A Sample Status I Client Info N/A WEAR METALS method Imitbase current history1 WEAR METALS method Imitbase current history1 Nickel ppm ASTM D5185m >50 <1				KCPA004581		Client Info		Sample Number
Oil Age mths Client Info NA Sample Status Client Info N/A WEAR METALS method limit/base current history1 history1 Vice ppm ASTM D5185m >50 <1				24 Jul 2023		Client Info		Sample Date
Oil Changed Client Info N/A Sample Status method limit/base current history1 history1 WEAR METALS method limit/base current history1 history1 Iron ppm ASTM D5185m >50 <1 Chromium ppm ASTM D5185m >3 0 Nickel ppm ASTM D5185m >3 0 Attmain ppm ASTM D5185m >3 0 Auminum ppm ASTM D5185m >10 0 Quadition ppm ASTM D5185m >10 0 Cadmium ppm ASTM D5185m >10 ctrr Vanadium ppm ASTM D5185m 0 ctrr ADDITIVES method limit/base current history1 history1 Mangaese ppm ASTM D5185m 0 0 ADDITIVES method limit/base current history1 n Mangaese ppm ASTM D5185m<				1465		Client Info	mths	Machine Age
Sample Status Imathed ATTENTION WEAR METALS method limit/base current history1 history1 Iron ppm ASTM D5185m >50 <1				0		Client Info	mths	Oil Age
WEAR METALS method limit/base current history1 history1 Iron ppm ASTM D5185m >50 <1				N/A		Client Info		Oil Changed
Iron ppm ASTM D5185m >50 <1				ATTENTION				Sample Status
Dromium ppm ASTM D5185m >10 0 Nickel ppm ASTM D5185m >3 0 Titanium ppm ASTM D5185m >2 <1 Silver ppm ASTM D5185m >10 0 Aluminum ppm ASTM D5185m >10 0 Lead ppm ASTM D5185m >10 0 Copper ppm ASTM D5185m >10 <1 Vanadium ppm ASTM D5185m >10 <1 Cadmium ppm ASTM D5185m 0 ADDITIVES method limit/base current history1 histor Barium ppm ASTM D5185m 0 <1 Magnaese ppm ASTM D5185m	tory2	histor	history1	current	limit/base	method		WEAR METALS
Nickel ppm ASTM D5185m >3 0 Titanium ppm ASTM D5185m >3 0 Silver ppm ASTM D5185m >2 <1				<1	>50	ASTM D5185m	ppm	Iron
Titanium ppm ASTM D5185m >3 0 Silver ppm ASTM D5185m >2 <1				0	>10	ASTM D5185m	ppm	Chromium
Silver ppm ASTM D5185m >2 <1				0	>3	ASTM D5185m	ppm	Nickel
Aluminum ppm ASTM D5185m >10 0 Lead ppm ASTM D5185m >10 0 Copper ppm ASTM D5185m >50 6 Vanadium ppm ASTM D5185m >10 <1				0	>3	ASTM D5185m	ppm	Titanium
Lead ppm ASTM D5185m >10 0 Copper ppm ASTM D5185m >50 6 Tin ppm ASTM D5185m >10 <1				<1	>2	ASTM D5185m	ppm	Silver
Lead ppm ASTM D5185m >10 0 Copper ppm ASTM D5185m >50 6 Tin ppm ASTM D5185m >10 <1				0	>10	ASTM D5185m		Aluminum
Copper ppm ASTM D5185m >50 6 Tin ppm ASTM D5185m >10 <1				0	>10	ASTM D5185m		Lead
Tin ppm ASTM D5185m >10 <1 Vanadium ppm ASTM D5185m 0 Cadmium ppm ASTM D5185m 0 0 ADDITIVES method limit/base current history1 history1 history1 Barium ppm ASTM D5185m 0 0 Malyaenese ppm ASTM D5185m 0 <11				6	>50	ASTM D5185m		Copper
Vanadium ppm ASTM D5185m 0 Cadmium ppm ASTM D5185m 0 ADDITIVES method limit/base current history1 histor Boron ppm ASTM D5185m 0 0 Barium ppm ASTM D5185m 0 0 Manganese ppm ASTM D5185m 0 <11 Magnesium ppm ASTM D5185m 100 23 Calcium ppm ASTM D5185m 0 6 Magnesium ppm ASTM D5185m 0 6 Calcium ppm ASTM D5185m 0 51 Sulfur ppm ASTM D5185m 23500 22479 Solium ppm ASTM D5185m >20 4				<1				
CadmiumppmASTM D5185m0ADDITIVESmethodlimit/basecurrenthistory1history1BoronppmASTM D5185m00BariumppmASTM D5185m900MolybdenumppmASTM D5185m0<1				0		ASTM D5185m		Vanadium
Boron ppm ASTM D5185m 0 0 Barium ppm ASTM D5185m 90 0 Molybdenum ppm ASTM D5185m 0 <1				0				Cadmium
Barium ppm ASTM D5185m 90 0 Molybdenum ppm ASTM D5185m 0 <1	tory2	histor	history1	current	limit/base	method		ADDITIVES
Molybdenum ppm ASTM D5185m 0 <1 Manganese ppm ASTM D5185m 100 23				0	0	ASTM D5185m	ppm	Boron
Manganese ppm ASTM D5185m <1 Magnesium ppm ASTM D5185m 100 23 Calcium ppm ASTM D5185m 0 1 Phosphorus ppm ASTM D5185m 0 6 Zinc ppm ASTM D5185m 0 51 Sulfur ppm ASTM D5185m 0 51 Sulfur ppm ASTM D5185m 23500 22479 Solicon ppm ASTM D5185m 23500 22479 Sodium ppm ASTM D5185m >25 <1				0	90	ASTM D5185m	ppm	Barium
Manganese ppm ASTM D5185m <1 Magnesium ppm ASTM D5185m 100 23 Calcium ppm ASTM D5185m 0 1 Phosphorus ppm ASTM D5185m 0 6 Zinc ppm ASTM D5185m 0 51 Sulfur ppm ASTM D5185m 0 51 Sulfur ppm ASTM D5185m 23500 22479 Sulfur ppm ASTM D5185m 23500 22479 Sodium ppm ASTM D5185m >25 <1				<1	0	ASTM D5185m	ppm	Molybdenum
Magnesium ppm ASTM D5185m 100 23 Calcium ppm ASTM D5185m 0 1				<1		ASTM D5185m	ppm	-
Calcium ppm ASTM D5185m 0 1 Phosphorus ppm ASTM D5185m 0 6				23	100	ASTM D5185m	ppm	-
Zinc ppm ASTM D5185m 0 51 Sulfur ppm ASTM D5185m 23500 22479 CONTAMINANTS method limit/base current history1 history1 Silicon ppm ASTM D5185m >25 <1				1	0	ASTM D5185m		-
Zinc ppm ASTM D5185m 0 51 Sulfur ppm ASTM D5185m 23500 22479 CONTAMINANTS method limit/base current history1 histor Silicon ppm ASTM D5185m >25 <1				6	0	ASTM D5185m		Phosphorus
SulfurppmASTM D5185m2350022479CONTAMINANTSmethodlimit/basecurrenthistory1history1SiliconppmASTM D5185m>25<1				51	0	ASTM D5185m		
Silicon ppm ASTM D5185m >25 <1 Sodium ppm ASTM D5185m >20 11 Potassium ppm ASTM D5185m >20 4 Water % ASTM D6304 >0.05 0.008 ppm Water ppm ASTM D6304 >500 81.5 FLUID CLEANLINESS method limit/base current history1 history1 Particles >4µm ASTM D7647 3882 Particles >6µm ASTM D7647 >1300 1870 Particles >14µm ASTM D7647 >80 126				22479	23500	ASTM D5185m		Sulfur
Sodium ppm ASTM D5185m 11 Potassium ppm ASTM D5185m >20 4 Water % ASTM D6304 >0.05 0.008 ppm Water ppm ASTM D6304 >500 81.5 FLUID CLEANLINESS method limit/base current history1 histor Particles >4μm ASTM D7647 3882 Particles >6μm ASTM D7647 >1300 1870 Particles >14μm ASTM D7647 >80 126	tory2	histor	history1	current	limit/base	method		CONTAMINANTS
Potassium ppm ASTM D5185m >20 4 Water % ASTM D6304 >0.05 0.008 ppm Water ppm ASTM D6304 >500 81.5 FLUID CLEANLINESS method limit/base current history1 histor Particles >4μm ASTM D7647 3882 Particles >6μm ASTM D7647 >1300 1870 Particles >14μm ASTM D7647 >80 126				<1	>25	ASTM D5185m	ppm	Silicon
Water % ASTM D6304 >0.05 0.008 ppm Water ppm ASTM D6304 >500 81.5 FLUID CLEANLINESS method limit/base current history1 histor Particles >4μm ASTM D7647 3882 Particles >6μm ASTM D7647 >1300 1870 Particles >14μm ASTM D7647 >80 126				11		ASTM D5185m	ppm	Sodium
ppm Water ppm ASTM D6304 >500 81.5 FLUID CLEANLINESS method limit/base current history1 history1 Particles >4µm ASTM D7647 3882 Particles >6µm ASTM D7647 >1300 1870 Particles >14µm ASTM D7647 >80 126				4	>20	ASTM D5185m	ppm	Potassium
FLUID CLEANLINESS method limit/base current history1 history1 Particles >4μm ASTM D7647 3882 Particles >6μm ASTM D7647 >1300 1870 Particles >6μm ASTM D7647 >80 126				0.008	>0.05	ASTM D6304	%	Water
Particles >4μm ASTM D7647 3882 Particles >6μm ASTM D7647 >1300 ▲ 1870 Particles >14μm ASTM D7647 >80 ▲ 126				81.5	>500	ASTM D6304	ppm	ppm Water
Particles >6μm ASTM D7647 >1300 ▲ 1870 Particles >14μm ASTM D7647 >80 ▲ 126	tory2	histor	history1	current	limit/base	method	IESS	FLUID CLEANLIN
Particles >14μm ASTM D7647 >80 ▲ 126				3882		ASTM D7647		Particles >4µm
				<u> </u>	>1300	ASTM D7647		Particles >6µm
Particles >21um ASTM D7647 >20 11				126	>80	ASTM D7647		Particles >14µm
				11	>20	ASTM D7647		Particles >21µm
Particles >38μm ASTM D7647 >4 2				2	>4	ASTM D7647		Particles >38µm
Particles >71μm ASTM D7647 >3 1				1	>3	ASTM D7647		Particles >71µm
Oil Cleanliness ISO 4406 (c) >/17/13 ▲ 19/18/14				19/18/14	>/17/13	ISO 4406 (c)		-
FLUID DEGRADATION method limit/base current history1 histor	tory2	histor	history1	current	limit/base	method	TION	FLUID DEGRADA
Acid Number (AN) mg KOH/g ASTM D8045 1.0 0.27		TISLUI					ma KOU/a	

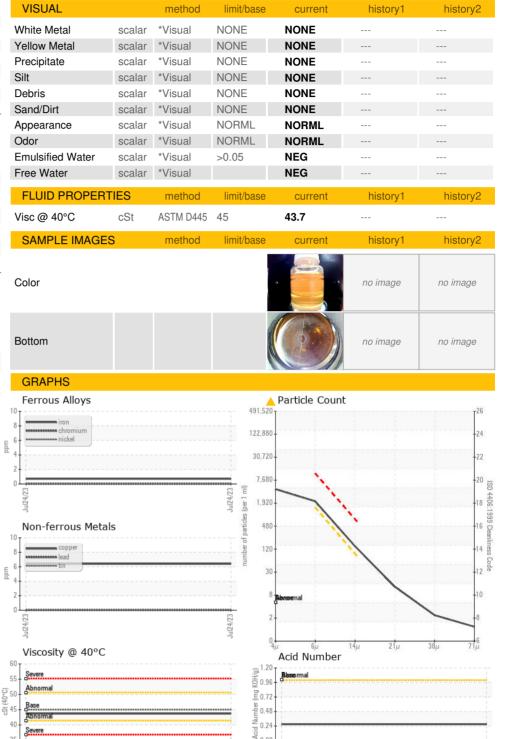


OIL ANALYSIS REPORT

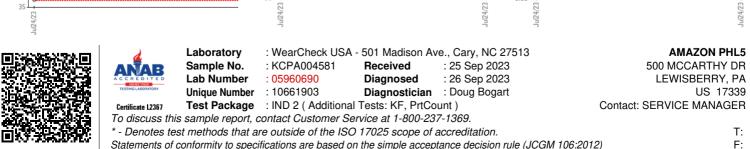








0.00



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Se 35