

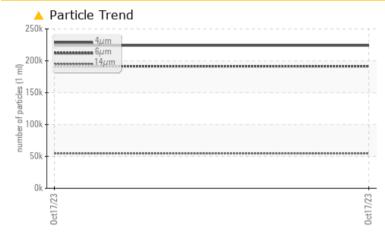
PROBLEM SUMMARY

Sample Rating Trend

Machine Id 53088888 (S/N 1450) Component

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

COMPONENT CONDITION SUMMARY



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.

PROBLEMATIC TEST RESULTS

Sample Status		ABNORMAL	
Particles >6µm	ASTM D7647 >	1300 🔺 191449	
Particles >14µm	ASTM D7647 >	80 A 54495	
Particles >21µm	ASTM D7647 >	20 🔺 8627	
Particles >38µm	ASTM D7647 >	4 ^ 24	
Oil Cleanliness	ISO 4406 (c) >	/17/13 🔺 25/25/23	

Customer Id: VERBROCO Sample No.: KCPA007658 Lab Number: 05995630 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Don Baldridge +1 don.b505@comcast.net

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

Machine Id 53088888 (S/N 1450) Component

Compressor Fluid KAESER SIGMA (OEM) M-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

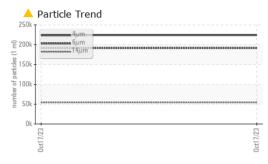
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

ron ppm ASTM D5185m >50 0 Chromium ppm ASTM D5185m >10 0 Nickel ppm ASTM D5185m >3 <1 Silver ppm ASTM D5185m >2 0 Lead ppm ASTM D5185m >10 0 Copper ppm ASTM D5185m >10 0 Cadmium ppm ASTM D5185m >10 0 ADDTIVES method Imit/base current history1 hist Boron ppm ASTM D5185m 0 0 Magneseu ppm ASTM D5185m 0 0 Magnesium ppm ASTM D5185m 0 1	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 5600 Oil Age hrs Client Info 0 Sample Status Client Info N/A WEAR METALS method limit/base current history1 WEAR METALS method limit/base current history1 WEAR METALS method limit/base current history1 Nickel ppm ASTM D5185m >10 0 Silver ppm ASTM D5185m >10 0 Aluminum ppm ASTM D5185m >10 0 Copper ppm ASTM D5185m >10 0 ADDITIVES method limit/base current history1 history1 Barium ppm ASTM D5185m 0 0	Sample Number		Client Info		KCPA007658		
Oil Age hrs Client Info 0 Sample Status Client Info N/A WEAR METALS method limit/base current history1 history1 Kron ppm ASTM D5185m >50 0 Nickel ppm ASTM D5185m >3 <1	Sample Date		Client Info		17 Oct 2023		
Oil Changed Client Info N/A WEAR METALS method limit/base current history1 history1 Nickel ppm ASTM 05185m >50 0 Nickel ppm ASTM 05185m >3 <1	Machine Age	hrs	Client Info		5600		
Sample Status Image ABNORMAL WEAR METALS method limit/base current history1 history1 Iron ppm ASTM D5185m >50 0	Oil Age	hrs	Client Info		0		
Sample Status Image ABNORMAL WEAR METALS method limit/base current history1 history1 Iron ppm ASTM D5185m >50 0	Oil Changed		Client Info		N/A		
Iron ppm ASTM D5185m >50 0 Chromium ppm ASTM D5185m >10 0 Nickel ppm ASTM D5185m >3 <1	•				ABNORMAL		
Ppm ASTM D5185m >10 0 Nickel ppm ASTM D5185m >3 <1	WEAR METALS		method	limit/base	current	history1	history2
Chromium ppm ASTM D5185m >10 0 Nickel ppm ASTM D5185m >3 <1	Iron	ppm	ASTM D5185m	>50	0		
Nickel ppm ASTM D5185m >3 <1 Titanium ppm ASTM D5185m >3 <1	Chromium		ASTM D5185m	>10	0		
Titanium ppm ASTM D5185m >3 <1	Nickel		ASTM D5185m		<1		
Silver ppm ASTM D5185m >2 0 Aluminum ppm ASTM D5185m >10 0 Lead ppm ASTM D5185m >10 0 Copper ppm ASTM D5185m >50 26 Vanadium ppm ASTM D5185m >10 0 ADDITIVES ppm ASTM D5185m 0 0 ADDitives method limit/base current history1 hist Boron ppm ASTM D5185m 0 0 Magnese ppm ASTM D5185m 0 0							
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Particles >6µm ASTM D7647 >1300 ▲ 191449 Particles >14µm ASTM D7647 >80 ▲ 54495 Particles >21µm ASTM D7647 >20 ▲ 8627 Particles >38µm ASTM D7647 >4 ▲ 24 Particles >71µm ASTM D7647 >3 1 Oil Cleanliness ISO 4406 (c) >/17/13 ▲ 25/25/23 FLUID DEGRADATION method limit/base current history1 history1	Particles >4µm		ASTM D7647		224053		
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Particles >21μm ASTM D7647 >20 ▲ 8627 Particles >38μm ASTM D7647 >4 ▲ 24 Particles >71μm ASTM D7647 >3 1 Oil Cleanliness ISO 4406 (c) >/17/13 ▲ 25/25/23 FLUID DEGRADATION method limit/base current history1 hist	-						
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FLUID DEGRADATION method limit/base current history1 history1							
-	FLUID DEGRADA		()		current	history1	history2
ACIA NUMBER (AN) Mg KUHig ASTM D8045 1.0 0.22							
	Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.22		

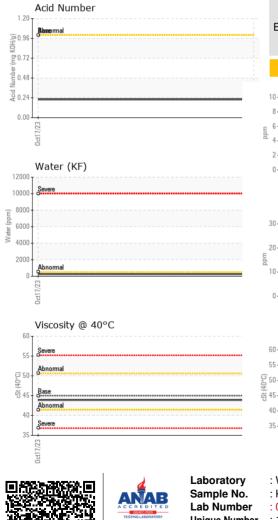


Built for a lifetime."

OIL ANALYSIS REPORT







VISUAL		method	limit/base	current	history1	history2
/hite Metal	scalar	*Visual	NONE	NONE		
ellow Metal	scalar	*Visual	NONE	NONE		
recipitate	scalar	*Visual	NONE	NONE		
ilt	scalar	*Visual	NONE	NONE		
ebris	scalar	*Visual	NONE	LIGHT		
and/Dirt	scalar	*Visual	NONE	NONE		
ppearance	scalar	*Visual	NORML	NORML		
dor	scalar	*Visual	NORML	NORML		
mulsified Water	scalar	*Visual	>0.05	NEG		
ree Water	scalar	*Visual		NEG		
FLUID PROPERT	IES	method	limit/base	current	history1	history2
isc @ 40°C	cSt	ASTM D445	45	43.9		
SAMPLE IMAGE	S	method	limit/base	current	history1	history2
olor					no image	no image
			4			
ottom					no image	no image
GRAPHS						
GRAPHS Ferrous Alloys				Particle Count		
Ferrous Alloys			491,520	Particle Count		T ²⁶
Ferrous Alloys						
Ferrous Alloys			491,520			+24
Ferrous Alloys			491,520			+24
Ferrous Alloys			491,520 122,880 30,720 7,680			-24 -22
Ferrous Alloys			491,520 122,880 30,720 7,680			+24 +22 +20
Ferrous Alloys			491,520 122,880 30,720 7,680			-24 -22 -20 -18
Ferrous Alloys	5		491,520 122,880 30,720 7,680			+24 +22 +20
Ferrous Alloys	s		491,520 122,880 30,720 7,680			-24 -22 -20 -18
Ferrous Alloys	5		491,520 122,880 30,720 7,680 60 60 60 1,920 480 480 120			-24 -22 -20 -18 -16
Ferrous Alloys	s		491,520 122,880 30,720 7,680			-24 -22 -20 -18 -16 -14
Ferrous Alloys	S		491,520 122,880 30,720 7,680 60 60 60 1,920 480 480 120			-24 -22 -20 -18 -16 -14
Ferrous Alloys	S		491,520 122,880 30,720 7,680 E2/LPD 192 480 480 480 120 30 8 30 8 8			-24 -22 -20 -18 -16 -14 -12
Ferrous Alloys	s		491,520 122,880 30,720 7,680 C2/L 10 1,920 480 120 120 120 120 120 120 120 12	Bbreemal		-24 -22 -20 -18 -16 -14 -12 -10 -8
Ferrous Alloys	5		491,520 122,880 30,720 7,680 E2/LPD 192 480 480 480 120 30 8 30 8 8	Bbreemal 4 6/4	14μ 21μ	-24 -22 -20 -18 -16 -14 -12
Ferrous Alloys	S		491,520 122,880 30,720 7,680 52/L100 1,920 480 120,990 120	Bbreemal 6/4 Acid Number		-24 -22 -20 -18 -16 -14 -12 -10 -8 -6
Ferrous Alloys	S		491,520 122,880 30,720 7,680 52/L100 1,920 480 120,990 120	Bbreemal 6/4 Acid Number		-24 -22 -20 -18 -16 -14 -12 -10 -8 -6
Ferrous Alloys	s		491,520 122,880 30,720 7,680 52/L100 1,920 480 120,990 120	Bbreemal 6/4 Acid Number		-24 -22 -20 -18 -16 -14 -12 -10 -8 -6
Ferrous Alloys	s		491,520 122,880 30,720 7,680 7,680 7,680 7,680 7,680 1,920 480 1,920 480 120,880 1,920 480 120,880 1,920 480 120,880 1,920 480 1,920 1,920 480 1,920 1,920 480 1,920 480 1,920 1,920 480 1,920 1,920 480 1,92	Bbreemal 6/4 Acid Number		-114 -12 -10 -18 -6

Oct : WearCheck USA - 501 Madison Ave., Cary, NC 27513 **VERICAL SOLUTIONS - VSI PARYLENE** : KCPA007658 Received :01 Nov 2023 325 INTERLOCKEN PKWY, BLDG C : 05995630 Diagnosed : 02 Nov 2023 BROOMFIELD, CO Unique Number : 10723990 Diagnostician : Don Baldridge US 80021 Test Package : IND 2 (Additional Tests: KF, PrtCount) Contact: Service Manager Certificate L2367 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. T: F:

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