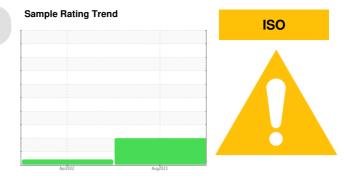


PROBLEM SUMMARY



Machine Id 4803485 (S/N 1515) Component

Compressor Fluid KAESER SIGMA (OEM) S-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	ABNORMAL				
Particles >6µm	ASTM D7647	>1300	🔺 21658					
Particles >14µm	ASTM D7647	>80	🔺 1889					
Particles >21µm	ASTM D7647	>20	<u> </u>					
Particles >38µm	ASTM D7647	>4	<u> </u>					
Oil Cleanliness	ISO 4406 (c)	>/17/13	<u> </u>					

Customer Id: DOMALB Sample No.: KCPA001417 Lab Number: 05964213 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 <u>customerservice@wearcheck.com</u> There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

11 Apr 2022 Diag: Angela Borella

VIS DEBRIS



Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT

Sample Rating Trend

ISO

Machine Id 4803485 (S/N 1515) 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.

			Apr2022	Aug ² 023		
SAMPLE INFORM		method	limit/base	current	history1	history2
			IIIIIVDase			
Sample Number		Client Info		KCPA001417	KCP45665	
Sample Date		Client Info		07 Aug 2023	11 Apr 2022	
Machine Age	hrs	Client Info		50428	42962	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	Changed	
Sample Status				ABNORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	2	
Chromium	ppm	ASTM D5185m	>10	0	0	
Nickel	ppm	ASTM D5185m	>3	0	0	
Titanium	ppm	ASTM D5185m	>3	0	0	
Silver	ppm	ASTM D5185m	>2	0	<1	
Aluminum	ppm	ASTM D5185m	>10	0	<1	
Lead	ppm	ASTM D5185m	>10	0	<1	
Copper	ppm	ASTM D5185m	>50	10	4	
Tin	ppm	ASTM D5185m	>10	0	<1	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES	1- 1-	method	limit/base		historyd	history
			imitoase	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	
Barium	ppm	ASTM D5185m	90	0	0	
Molybdenum	ppm	ASTM D5185m		0	0	
Manganese	ppm	ASTM D5185m		<1	0	
Magnesium	ppm	ASTM D5185m	90	0	0	
Calcium	ppm	ASTM D5185m	2	0	0	
Phosphorus	ppm	ASTM D5185m		<1	5	
Zinc	ppm	ASTM D5185m		14	0	
Sulfur	ppm	ASTM D5185m		16455	7185	
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	<1	
Sodium	ppm	ASTM D5185m		0	0	
Potassium	ppm	ASTM D5185m	>20	1	1	
Water	%	ASTM D6304	>0.05	0.002	0.003	
ppm Water	ppm	ASTM D6304	>500	21.6	39.1	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		55638		
Particles >6µm		ASTM D7647	>1300	<u> </u>		
Particles >14µm		ASTM D7647	>80	<u> </u>		
Particles >21µm		ASTM D7647	>20	A 359		
		ASTM D7647	>4	<u> </u>		
Particles >38µm						
		ASTM D7647	>3	0		
Particles >38µm Particles >71µm Oil Cleanliness			>3 >/17/13	0 2 3/22/18		
Particles >71µm Oil Cleanliness		ASTM D7647 ISO 4406 (c)	>/17/13	23/22/18		
Particles >71µm	ATION mg KOH/g	ASTM D7647				

Contact/Location: Service Manager - DOMALB



- 50k 1 f particles (1 n. 30k

PEL O 20

10000.

8000 (maa)

6000 Water 4000

(B/H0.48) HOX ÷ Ba 붙 0.36

Pio 0.12 0.00. /22 Apr1

12000

800 (mqq) 6000 Water (4000 2000

Se 10000

W 12000

Built for a lifetime."

OIL ANALYSIS REPORT

Particle Trend		VISUAL		method	limit/base	current	history
0k - 4μm 14μm		White Metal	scalar	*Visual	NONE	NONE	NONE
0k		Yellow Metal	scalar	*Visual	NONE	NONE	NONE
0k -		Precipitate	scalar	*Visual	NONE	NONE	NONE
0k -		Silt	scalar	*Visual	NONE	NONE	NONE
0k -		Debris	scalar	*Visual	NONE	LIGHT	A MODEF
)k		Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Apr11/22	Aug7/23	Appearance	scalar	*Visual	NORML	NORML	NORML
Apri	Aug	Odor	scalar	*Visual	NORML	NORML	NORML
Water (KF)		Emulsified Water	scalar	*Visual	>0.05	NEG	NEG
		Free Water	scalar	*Visual		NEG	NEG
- Severe		FLUID PROPER	TIES	method	limit/base	current	history
		Visc @ 40°C	cSt	ASTM D445	46	44.5	44.1
		SAMPLE IMAGE	S	method	limit/base	current	history
			0	method			Thistory
Abnormal							
77/11/1/de	Aug7/23	Color					
Ξ.	A						
Acid Number							1
		Bottom					1 EG
Base							M Car
		GRAPHS					
		Ferrous Alloys			491,520	Particle Count	
		iron			431,520		
22 +	_	6 - management chromium			122,880	-	
Apr1 1/22	mqq	4			30,720		
		2					
Water (KF)		5			7,680 E2 Ê	1	
Severe		Apr11/22			Aug7/23 1 (per 1 ml)		
			le		() sappt 480		. /
		Non-ferrous Meta	15		of part		
		8 - copper			Aug7/22 Aug	-	1
	mqq	6- tin			30		
Abnormal		4					
Apr11/22 -		2				Seven al	
APT		1/22			2 1/23		
Viscosity @ 40°C		Apr11/22			Aug7/23		
· -		Viscosity @ 40°C			U.	Acid Number	14μ 21,
Abnormal	- 5	⁵ T			0.60		
Base	5	0 - Abnormal			(b) HO 0.60 (b) HO 0.48 (b) HO 0.48 (c) 0.36 (c) 0.48 (c)	Base	
Base	cSt (40°C)	Base			Ë 0.36	Base	
		Abnormal			- a 0.24		
Abnormal				48 28 28 28 28 28 28 28 28 28 28 28 28 28	Pg 0.12	-	
	3	54			0.00 ¥ +		
Apri 1/22		Apr11/22			Aug7/23	Apr11/22	
Api						-4	
Laborato		WearCheck USA -				3	DOMIN
ANAB Sample 1			Receive		Sep 2023		
			Diagnos		Oct 2023		
TESTING LABORATORY Unique Nu		IU6/0/64 IND 2 (Additional T	Diagnos		n Baldridge		Conta

Test Package : IND 2 (Additional Tests: KF, PrtCount)

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

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. DOMINION OF GEORGIA 847 FLINT AVE ALBANY, GA US 31701 Contact: Service Manager AP@SHEINCUSA.COM T: F:

214

38L

Certificate L2367

history1

history1

history1

history2

history2

history2

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Aug7/23