

PROBLEM SUMMARY

Sample Rating Trend

ISO

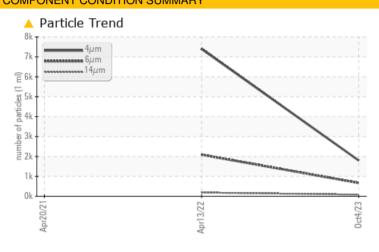
Machine Id **4392875 (S/N 1108)**

Component

Compressor

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





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			ATTENTION	ABNORMAL	ABNORMAL				
Particles >14μm	ASTM D7647	>80	<u>^</u> 81	<u></u> 184					
Particles >21μm	ASTM D7647	>20	▲ 32	<u>45</u>					
Oil Cleanliness	ISO 4406 (c)	>/17/13	18/17/14	△ 18/15					

Customer Id: WILLYO Sample No.: KCPA006255 Lab Number: 05981896 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

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

13 Apr 2022 Diag: Jonathan Hester

ISO



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. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



20 Apr 2021 Diag: Don Baldridge

VIS DEBRIS



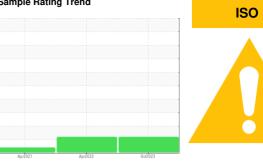
No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.





OIL ANALYSIS REPORT

Sample Rating Trend



4392875 (S/N 1108)

Compressor

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

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 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.

		Ap	72021	Apr2022 Oct202	3	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA006255	KCP44357	KCP35653
Sample Date		Client Info		04 Oct 2023	13 Apr 2022	20 Apr 2021
Machine Age	hrs	Client Info		33323	27650	23073
Oil Age	hrs	Client Info		0	4577	3623
Oil Changed	1110	Client Info		N/A	Changed	Changed
Sample Status				ATTENTION	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
	10.10.100				0	0
Iron Chromium	ppm	ASTM D5185m	>50 >10	<1 0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>10	<1	<1	<1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m		9	8	4
Tin	ppm	ASTM D5185m	>10	0	0	0
Antimony	ppm	ASTM D5185m	>10			0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
	ррпп					-
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	<1	10
Barium	ppm	ASTM D5185m	90	3	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	90	4	<1	7
Calcium	ppm	ASTM D5185m	2	11	0	0
Phosphorus	ppm	ASTM D5185m		63	8	4
Zinc	ppm	ASTM D5185m		153	59	44
Sulfur	ppm	ASTM D5185m		14948	14768	15170
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	0
Sodium	ppm	ASTM D5185m		2	<1	4
Potassium	ppm	ASTM D5185m	>20	2	0	0
Water	%	ASTM D6304	>0.05	0.005	0.007	0.008
ppm Water	ppm	ASTM D6304	>500	58.8	75.8	85.4
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		1796	7398	
Particles >6µm		ASTM D7647	>1300	668	<u>^</u> 2088	
Particles >14μm		ASTM D7647	>80	<u> </u>	<u>184</u>	
Particles >21µm		ASTM D7647	>20	<u> </u>	<u>45</u>	
Particles >38μm		ASTM D7647	>4	1	2	
Particles >71µm		ASTM D7647		0	0	
Oil Cleanliness		ISO 4406 (c)	>/17/13	18/17/14	△ 18/15	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

0.40

0.36

0.332



OIL ANALYSIS REPORT

