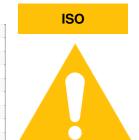


PROBLEM SUMMARY

Sample Rating Trend



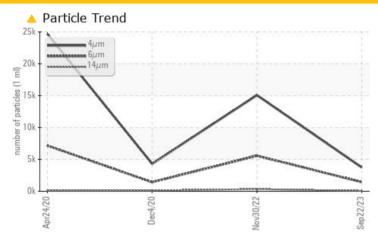
7015058 (S/N 1379)

Component

Compressor

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 T	EST RESULTS				
Sample Status			ATTENTION	ABNORMAL	ATTENTION
Particles >6μm	ASTM D7647	>1300	1429	<u></u> 5570	<u>▲</u> 1421
Oil Cleanliness	ISO 4406 (c)	>/17/13	<u> </u>	2 1/20/16	<u> </u>

Customer Id: FLIHIL Sample No.: KCPA006372 Lab Number: 05967034 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 jhester@wearcheckusa.com

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

30 Nov 2022 Diag: Don Baldridge

ISO



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. 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.



04 Dec 2020 Diag: Don Baldridge

ISO



The 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 moderate 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.



24 Apr 2020 Diag: Don Baldridge

ISO



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. 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





OIL ANALYSIS REPORT

Sample Rating Trend

ISO

7015058 (S/N 1379)

Compressor

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 moderate amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

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

				-		
		Apr2020	Dec2020	Nov2022 Se	p2023	
SAMPLE INFORMA	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA006372	KC106324	KC91529
Sample Date		Client Info		22 Sep 2023	30 Nov 2022	04 Dec 2020
Machine Age	hrs	Client Info		12937	11077	6203
Oil Age	hrs	Client Info		0	1146	2464
Oil Changed		Client Info		N/A	Not Changd	Not Changd
Sample Status				ATTENTION	ABNORMAL	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	<1
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	<1	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	2	<1	<1
Lead	ppm	ASTM D5185m	>10	0	<1	<1
	ppm	ASTM D5185m	>50	18	7	8
Tin	ppm	ASTM D5185m	>10	0	<1	0
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	10
Barium	ppm	ASTM D5185m	90	0	<1	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	90	4	32	43
Calcium	ppm	ASTM D5185m	2	0	0	0
Phosphorus	ppm	ASTM D5185m		2	9	2
Zinc	ppm	ASTM D5185m		5	7	8
Sulfur	ppm	ASTM D5185m		21490	19931	15872
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	<1
Sodium	ppm	ASTM D5185m		0	15	25
	ppm	ASTM D5185m	>20	1	4	9
	%	ASTM D6304	>0.05	0.010	0.013	0.014
ppm Water	ppm	ASTM D6304	>500	105.8	139.2	146.3
FLUID CLEANLINE	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		3730	15067	4303
Particles >6µm		ASTM D7647	>1300	1429	<u></u> 5570	<u> </u>
Particles >14µm		ASTM D7647	>80	54	△ 336	<u> </u>
Particles >21µm		ASTM D7647	>20	11	<u> </u>	<u>^</u> 24
Particles >38µm		ASTM D7647	>4	1	3	0
Particles >71µm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	▲ 19/18/13	<u>^</u> 21/20/16	<u> </u>
		(3)				

FLUID DEGRADATION

method

limit/base

current

0.34

0.36

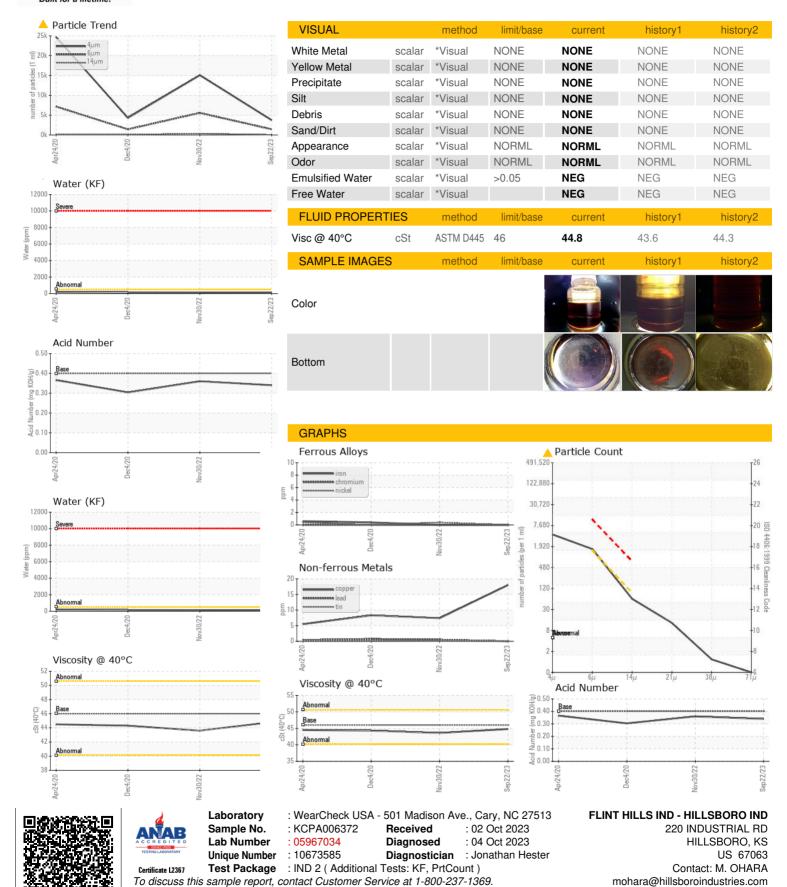
history1

history2

0.304



OIL ANALYSIS REPORT



* - 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)

T: F: