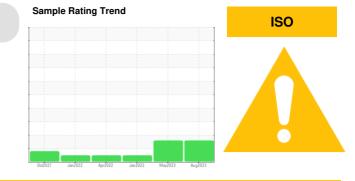


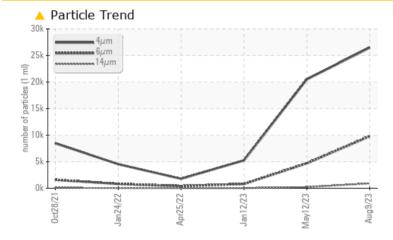
PROBLEM SUMMARY



Machine Id 7393976 (S/N 1078) 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	ABNORMAL	NORMAL				
Particles >6µm	ASTM D7647	>1300	<u> </u>	4704	810				
Particles >14µm	ASTM D7647	>80	A 913	<u> </u>	32				
Particles >21µm	ASTM D7647	>20	<u> </u>	4 3	4				
Oil Cleanliness	ISO 4406 (c)	>/17/13	<u> </u>	🔺 22/19/15	20/17/12				

Customer Id: FLETRO Sample No.: KC125303 Lab Number: 06010854 Test Package: IND 2



To manage this report scan the QR code

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

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

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

12 May 2023 Diag: Don Baldridge



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.

12 Jan 2023 Diag: Doug Bogart

25 Apr 2022 Diag: Jonathan Hester



Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



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Resample at the next service interval to monitor.All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination 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 7393976 (S/N 1078) 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.

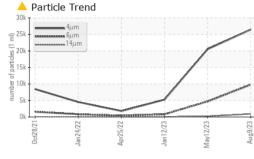
Fluid Condition

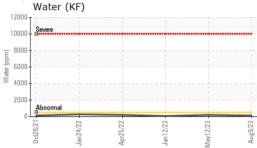
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

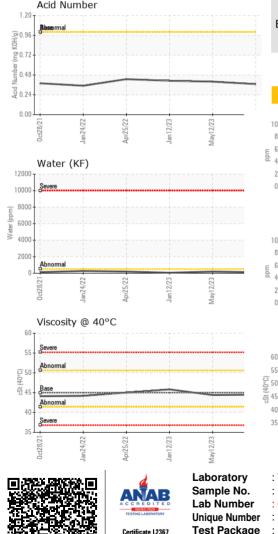
Sample Number Client Info KC125303 KC106378 KC10576 Sample Date I Client Info 09 Aug 2023 12 Aug 2023 12 Jan 2023 Machine Age hrs Client Info 14974 13906 11697 Oil Age hrs Client Info N/A Not Changed Changed Sample Status I Imit/base current history1 history2 Iron ppm ASTM D5185m >50 0 <1 <1 WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >10 0 0 0 Nickel ppm ASTM D5185m >10 0 0 0 Silver ppm ASTM D5185m >10 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 0 Cadmium ppm ASTM D5185m 0 0	SAMPLE INFORM		method	limit/base	current	history1	history2
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Chromium ppm ASTM D5185m >10 0 0 0 Nickel ppm ASTM D5185m >3 0 0 0 Silver ppm ASTM D5185m >2 0 0 0 Aluminum ppm ASTM D5185m >10 0 0 0 Lead ppm ASTM D5185m >10 0 0 0 Copper ppm ASTM D5185m >50 4 5 8 Tin ppm ASTM D5185m >10 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 ADDITIVES method Imit/base current history1 history2 Boron ppm ASTM D5185m 0 0 0 0 Magnaese ppm ASTM D5185m 0 0 0 0 Magnesium pm ASTM D5185m 0 0 0 0	WEAR METALS		method	limit/base	current	history1	history2
Nickel ppm ASTM D5185m >3 0 0 0 Titanium ppm ASTM D5185m >3 0 0 0 Silver ppm ASTM D5185m >2 0 0 0 Aluminum ppm ASTM D5185m >10 0 0 0 Lead ppm ASTM D5185m >50 4 5 8 Tin ppm ASTM D5185m >50 4 5 8 Tin ppm ASTM D5185m >10 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 Adminum ppm ASTM D5185m 0 0 0 0 Boron ppm ASTM D5185m 0 0 0 0 0 Molybdenum ppm ASTM D5185m 0 0 0 0 0 Magnesium ppm ASTM D5185m 0 0 <t< td=""><td>Iron</td><td>ppm</td><td>ASTM D5185m</td><td>>50</td><th>0</th><td><1</td><td><1</td></t<>	Iron	ppm	ASTM D5185m	>50	0	<1	<1
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Copper ppm ASTM D5185m >50 4 5 8 Tin ppm ASTM D5185m >10 0 0 <1	Aluminum	ppm	ASTM D5185m	>10	0	0	0
Tin ppm ASTM D5185m >10 0 0 <1 Vanadium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 0 0 Barium ppm ASTM D5185m 0 0 0 0 Molybdenum ppm ASTM D5185m 0 0 0 0 0 Magnesium ppm ASTM D5185m 100 8 43 13 Calcium ppm ASTM D5185m 0 0 0 10 Zinc ppm ASTM D5185m 0 0 0 0 Solicon ppm ASTM D5185m 0 0 0 0 Solicon ppm ASTM D5185m 20 0 5	Lead	ppm	ASTM D5185m	>10	0	0	0
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Particles >38μm ASTM D7647 >4 3 1 0 Particles >71μm ASTM D7647 >3 0 0 0 Oil Cleanliness ISO 4406 (c) >/17/13 22/20/17 22/19/15 20/17/12 FLUID DEGRADATION method limit/base current history1 history2	Particles >14µm		ASTM D7647	>80	<mark>/</mark> 913	A 220	32
Particles >71μm ASTM D7647 >3 0 0 0 Oil Cleanliness ISO 4406 (c) >/17/13 ▲ 22/20/17 ▲ 22/19/15 20/17/12 FLUID DEGRADATION method limit/base current history1 history2	Particles >21µm		ASTM D7647	>20	<u> </u>	4 3	4
Oil Cleanliness ISO 4406 (c) >/17/13 ▲ 22/20/17 ▲ 22/19/15 20/17/12 FLUID DEGRADATION method limit/base current history1 history2	Particles >38µm		ASTM D7647	>4	3	1	0
FLUID DEGRADATION method limit/base current history1 history2	Particles >71µm		ASTM D7647	>3	0	0	0
			ISO 4406 (c)	>/17/13	A 22/20/17	▲ 22/19/15	20/17/12
Acid Number (AN) mg KOH/g ASTM D8045 1.0 0.37 0.40 0.41	FLUID DEGRADA		method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.37	0.40	0.41



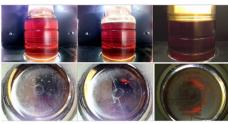
OIL ANALYSIS REPORT



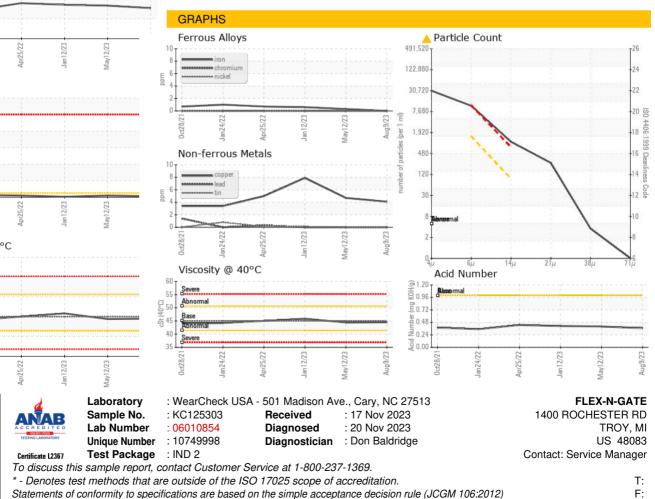




Color



Bottom



Contact/Location: Service Manager - FLETRO

VISUAL method limit/base history1 history2 current NONE NONE White Metal *Visual NONE NONE scalar Yellow Metal NONE NONE NONE NONE scalar *Visual Precipitate scalar *Visual NONE NONE NONE NONE Silt scalar *Visual NONE NONE NONE NONE NONE Debris *Visual NONE LIGHT NONE scalar NONE Sand/Dirt scalar *Visual NONE NONE NONE NORML Appearance NORML NORML NORML scalar *Visua *Visual NORML NORML NORML Odor scalar NORML *Visual **Emulsified Water** scalar >0.05 NEG NEG NEG Free Water scalar *Visual NEG NEG NEG FLUID PROPERTIES method limit/base current history history2 Visc @ 40°C cSt ASTM D445 45 44.5 44.4 45.83 SAMPLE IMAGES method limit/base historv1 history2 current