

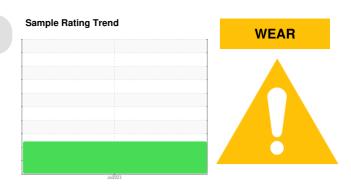
PROBLEM SUMMARY

8823391 (S/N 1574)

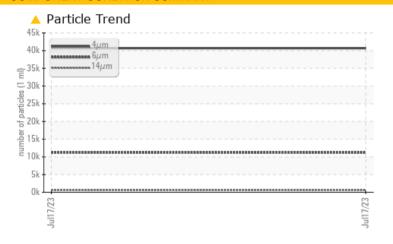
Component

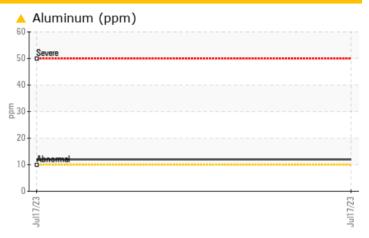
Compressor

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



COMPONENT CONDITION SUMMARY





RECOMMENDATION

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						
Aluminum	ppm	ASTM D5185m	>10	<u> </u>						
Particles >6μm		ASTM D7647	>1300	11223						
Particles >14µm		ASTM D7647	>80	△ 583						
Particles >21µm		ASTM D7647	>20	121						
Oil Cleanliness		ISO 4406 (c)	>/17/13	23/21/16						

Customer Id: MPPDUQ Sample No.: KCPA004849 Lab Number: 05903788 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Angela Borella +1 800-237-1369 angela.borella@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



OIL ANALYSIS REPORT



WEAR



Machine Id

8823391 (S/N 1574)

Component

Compressor

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

DIAGNOSIS

Recommendation

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

The aluminum level is abnormal. All other 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 acceptable for the time in service.

				Jul2023		
SAMPLE INFORM	<u>ΛΑΤΙΩΝ</u>	method	limit/base	current	history1	history2
	ALION		IIIIIIIIIIIII			
Sample Number		Client Info		KCPA004849		
Sample Date	la una	Client Info		17 Jul 2023		
Machine Age	hrs	Client Info		3573		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	3		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m	>3	0		
Titanium	ppm	ASTM D5185m	>3	0		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>10	<u> </u>		
Lead	ppm	ASTM D5185m	>10	0		
Copper	ppm	ASTM D5185m	>50	2		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m	90	0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	90	0		
Calcium	ppm	ASTM D5185m	2	0		
Phosphorus	ppm	ASTM D5185m		45		
Zinc	ppm	ASTM D5185m		0		
Sulfur	ppm	ASTM D5185m		4698		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0		
Sodium	ppm	ASTM D5185m		<1		
Potassium	ppm	ASTM D5185m	>20	3		
Water	%	ASTM D6304	>0.05	0.004		
ppm Water	ppm	ASTM D6304	>500	43.0		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647		40677		
Particles >6µm		ASTM D7647	>1300	11223		
Particles >14µm		ASTM D7647	>80	△ 583		
Particles >21µm		ASTM D7647	>20	<u> </u>		
Particles >38µm		ASTM D7647	>4	6		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>/17/13	23/21/16		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
A : IN (AN)		AOTH DOOLS	0.4	0.10	- Instory I	motory 2

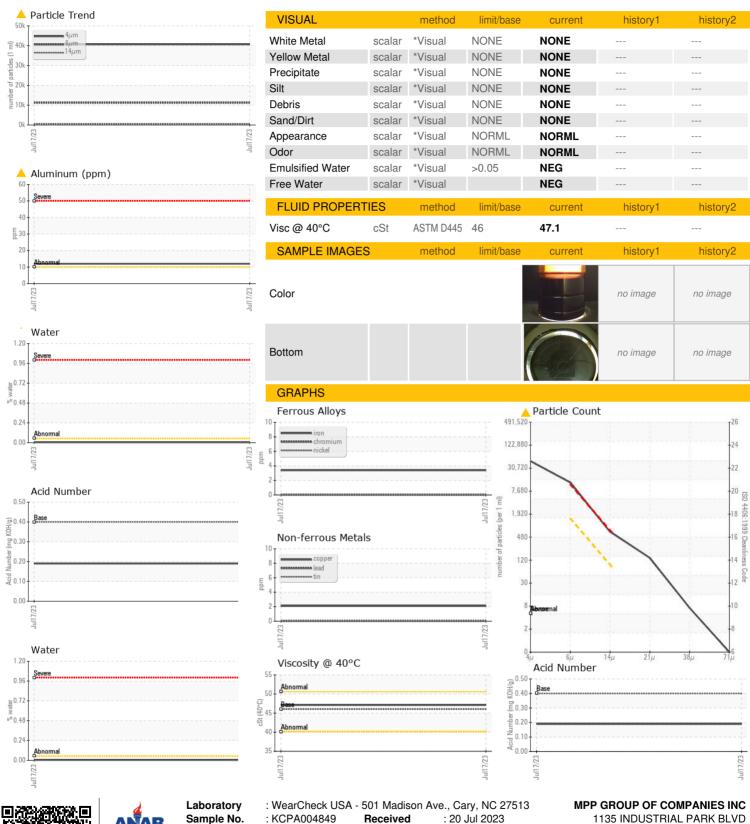
Acid Number (AN)

mg KOH/g ASTM D8045 0.4

0.19



OIL ANALYSIS REPORT







Certificate L2367

Sample No. Lab Number **Unique Number**

: KCPA004849 : 05903788

: 10565144

Received Diagnosed : 24 Jul 2023 Diagnostician : Angela Borella

Test Package : IND 2 (Additional Tests: KF, PrtCount) 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. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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Contact: A/P

ap@mppgroup.com T:

F:

Contact/Location: A/P ? - MPPDUQ