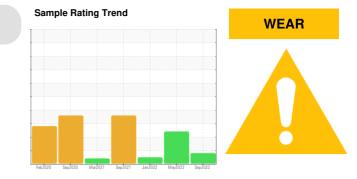


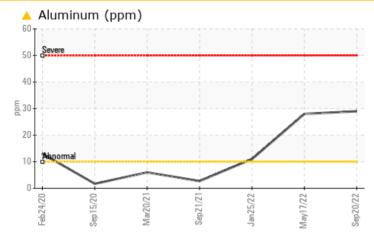
PROBLEM SUMMARY



Machine Id 6452586 (S/N 1004) Component

Compressor Fluid KAESER SIGMA (OEM) FG-460 (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Oil and 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	
Aluminum	ppm	ASTM D5185m	>10	<u> </u>	<u> </u>	11	

Customer Id: ADMKAN Sample No.: KCP30982 Lab Number: 05664187 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 <u>customerservice@wearcheck.com</u>

RECOMMENDED	RECOMMENDED ACTIONS							
Action	Status	Date	Done By	Description				
Change Fluid			?	Oil and filter change at the time of sampling has been noted.				
Change Filter			?	Oil and filter change at the time of sampling has been noted.				

HISTORICAL DIAGNOSIS



17 May 2022 Diag: Jonathan Hester

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.The aluminum level is abnormal. All other 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.



25 Jan 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.

21 Sep 2021 Diag: Jonathan Hester

Oil and filter change at the time of sampling has been noted. We recommend an early resample in 500 hours to monitor this condition. 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. Free water present. There is a light concentration of water present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



view report





OIL ANALYSIS REPORT

Sample Rating Trend WEAR

Machine Id 6452586 (S/N 1004) Component

Compressor Fluid

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

DIAGNOSIS

A Recommendation

Oil and 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 no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Fluid Condition

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

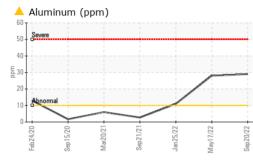
SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		KCP30982	KCP51435	KCP34732
Sample Date		Client Info		20 Sep 2022	17 May 2022	25 Jan 2022
Machine Age	hrs	Client Info		23423	21245	19233
Oil Age	hrs	Client Info		2178	3000	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	8	5	2
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	<1	0
Aluminum	ppm	ASTM D5185m	>10	<u> </u>	<u> </u>	11
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	6	4	2
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	Ts Ts	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	in the base	0	1	1
Barium	ppm	ASTM D5185m		2	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Manganesium	ppm	ASTM D5185m		3	1	0
Calcium	ppm	ASTM D5185m		0	<1	0
Phosphorus		ASTM D5185m	500	349	519	415
Zinc	ppm ppm	ASTM D5185m	500	139	221	258
Sulfur	ppm	ASTM D5185m		1966	2073	1516
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm		>25	<1	<1	<1
Sodium	ppm	ASTM D5185m	220	5	2	1
Potassium	ppm	ASTM D5185m	>20	J 12	0	0
Water	%	ASTM D3103III		0.004	0.006	0.003
ppm Water	ppm	ASTM D6304		41.2	66.2	38.7
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		2412	47298	850
Particles >6µm		ASTM D7647	>1300	801	1 3540	367
Particles >14μm		ASTM D7647	>80	58	1 183	45
Particles >21µm		ASTM D7647	>20	13	1 51	8
Particles >38µm		ASTM D7647		1	2	1
Particles >71µm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	18/17/13	🔺 23/21/17	16/13
	TION	ISO 4406 (c) method	>/17/13 limit/base	18/17/13 current	23/21/17 history1	16/13 history2

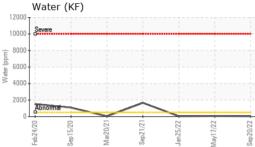
Report Id: ADMKAN [WUSCAR] 05664187 (Generated: 10/23/2023 10:04:31) Rev: 1

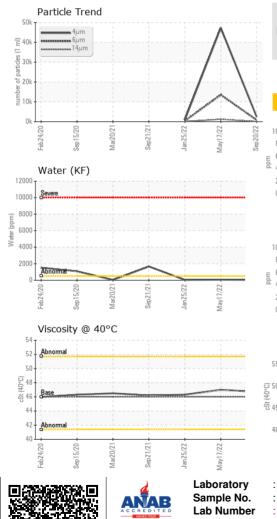
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OIL ANALYSIS REPORT

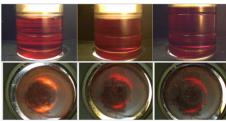




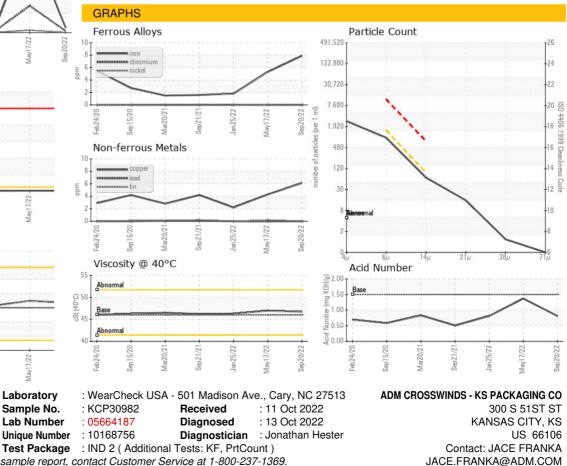


VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	46.7	47.0	46.3
SAMPLE IMAGES		method	limit/base	current	history1	history2

Color



Bottom



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)

Report Id: ADMKAN [WUSCAR] 05664187 (Generated: 10/23/2023 10:04:31) Rev: 1

Certificate L2367

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