

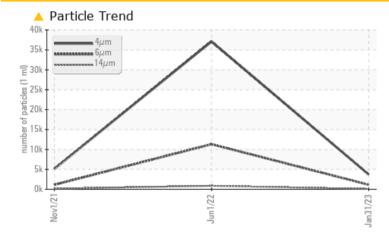
PROBLEM SUMMARY

KAESER SM 15 3449916 (S/N 1152)

Compressor

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

COMPONENT CONDITION SUMMARY



RECOMMENDATION

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.

PROBLEMATIC TEST RESULTS							
Sample Status		ATTENTI	ON ABNORMAL	ATTENTION			
Particles >14µm	ASTM D7647 >	-80 ^ 82	▲ 867	1 54			
Oil Cleanliness	ISO 4406 (c) >	>/17/13 🔺 19/17/1	4 🔺 22/21/17	1 7/14			

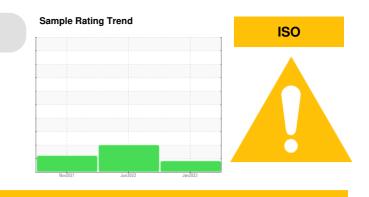
Customer Id: ASPATL Sample No.: KCP54685 Lab Number: 05778225 Test Package: IND 2



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 customerservice@wearcheck.com



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



01 Jun 2022 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.



01 Nov 2021 Diag: Don Baldridge





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 moderate amount of particulates present in the oil. The oil viscosity is higher than normal. The AN level is acceptable for this fluid.





OIL ANALYSIS REPORT

Machine Id KAESER SM 15 3449916 (S/N 1152) Component

Compressor Fluid

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

DIAGNOSIS

Recommendation

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.

Wear

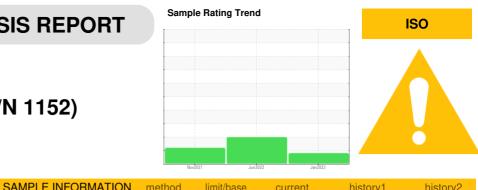
All component wear rates are normal.

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.



SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCP54685	KCP40437	KCP38796
Sample Date		Client Info		31 Jan 2023	01 Jun 2022	01 Nov 2021
Machine Age	hrs	Client Info		26188	24177	22117
Oil Age	hrs	Client Info		4071	2060	3502
Oil Changed		Client Info		Changed	Not Changd	Changed
Sample Status				ATTENTION	ABNORMAL	ATTENTION
WEAR METALS		mothod	limit/base			
		method		current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	<1	<1
Chromium	ppm	ASTM D5185m		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		<1	<1	0
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	16	9	37
Tin	ppm	ASTM D5185m	>10	0	0	<1
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	0	25
Barium	ppm	ASTM D5185m	90	8	24	0
Molybdenum	ppm	ASTM D5185m	0	0	0	<1
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	100	23	58	35
Calcium	ppm	ASTM D5185m	0	<1	<1	1
Phosphorus	ppm	ASTM D5185m	0	8	5	4
Zinc	ppm	ASTM D5185m		74	32	85
Sulfur	ppm	ASTM D5185m	23500	18996	18992	19786
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	<1
Sodium	ppm	ASTM D5185m	00	6	15	19
Potassium	ppm	ASTM D5185m	>20	2	1	3
Water	%	ASTM D6304		0.011	0.021	0.008
ppm Water	ppm	ASTM D6304		110.3	210.6	86.6
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		3702	37095	5130
Particles >6µm		ASTM D7647		1129	<u>▲</u> 11309	1128
Particles >14µm		ASTM D7647		<mark>/</mark> 82	A 867	1 54
Particles >21µm		ASTM D7647		14	<u>▲</u> 127	▲ 59
Particles >38µm		ASTM D7647		0	4	3
Particles >71µm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	19/17/14	<u>22/21/17</u>	▲ 17/14
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.30	0.30	0.310
				-		

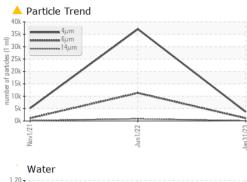
Acid Number (AN)

Report Id: ASPATL [WUSCAR] 05778225 (Generated: 08/17/2023 11:10:28) Rev: 1

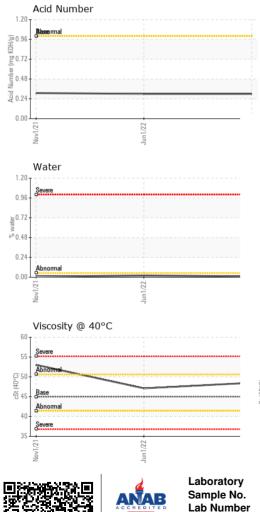
0.30 0.310 Contact/Location: BRIAN LORD - ASPATL



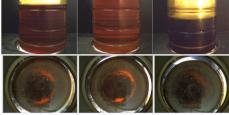
OIL ANALYSIS REPORT



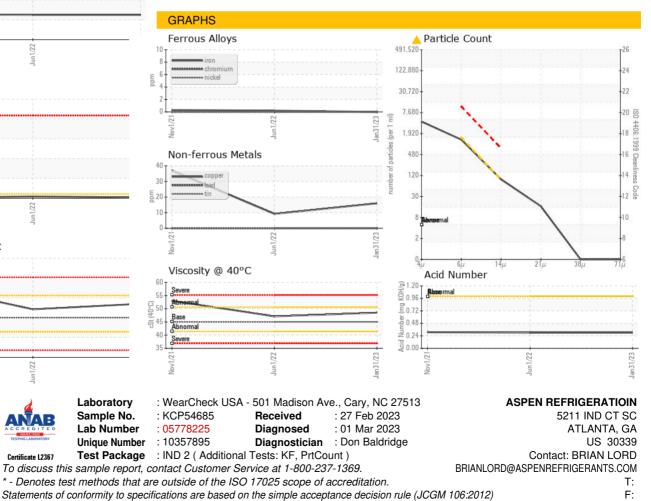




VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual	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 PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	45	48.5	47.1	▲ 53.0
SAMPLE IMAGES	S	method	limit/base	current	history1	history2
Color						



Bottom



Contact/Location: BRIAN LORD - ASPATL