

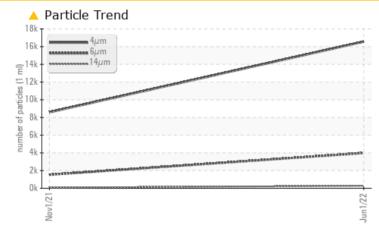
PROBLEM SUMMARY

KAESER SM 15 3937894 (S/N 1150)

Compressor

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		ABNORMA	ATTENTION					
Particles >6µm	ASTM D7647 >13	300 A 3983	▲ 1529					
Particles >14µm	ASTM D7647 >80) 🔺 271	72					
Particles >21µm	ASTM D7647 >20) 🔺 69	19					
Oil Cleanliness	ISO 4406 (c) >/	/17/13 🔺 21/19/15	<u> </u>					

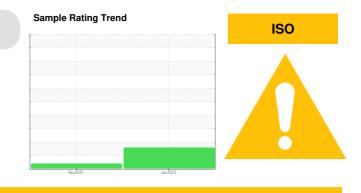
Customer Id: ASPATL Sample No.: KCP40438 Lab Number: 05584151 Test Package: IND 2



To manage this report scan the QR code

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

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



There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

01 Nov 2021 Diag: Don Baldridge



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 silt (particulates < 14 microns in size) 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

KAESER SM 15 3937894 (S/N 1150)

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

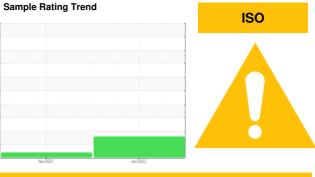
All component wear rates are normal.

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 INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCP40438	KCP38797	
Sample Date		Client Info		01 Jun 2022	01 Nov 2021	
Machine Age	hrs	Client Info		32154	31267	
Oil Age	hrs	Client Info		887	1151	
Oil Changed		Client Info		Not Changd	Changed	
Sample Status				ABNORMAL	ATTENTION	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	<1	
Chromium	ppm	ASTM D5185m	>10	0	0	
Nickel	ppm	ASTM D5185m	>3	0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m	>2	0	<1	
Aluminum	ppm	ASTM D5185m	>10	<1	<1	
Lead	ppm	ASTM D5185m	>10	<1	0	
Copper	ppm	ASTM D5185m	>50	2	14	
Tin	ppm		>10	0	<1	
Antimony	ppm	ASTM D5185m	210		0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium		ASTM D5185m		0	0	
	ppm					
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	25	
Barium	ppm	ASTM D5185m	90	62	0	
Molybdenum	ppm	ASTM D5185m	0	0	0	
Manganese	ppm	ASTM D5185m		0	<1	
Magnesium	ppm	ASTM D5185m	100	91	42	
Calcium	ppm	ASTM D5185m	0	2	1	
Phosphorus	ppm	ASTM D5185m	0	0	2	
Zinc	ppm	ASTM D5185m	0	3	41	
Sulfur	ppm	ASTM D5185m	23500	21761	18895	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	<1	
Sodium	ppm	ASTM D5185m		4	25	
Potassium	ppm	ASTM D5185m	>20	1	4	
Water	%	ASTM D6304	>0.05	0.044	0.010	
ppm Water	ppm	ASTM D6304	>500	445.2	106.1	
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		16564	8583	
Particles >6µm		ASTM D7647	>1300	<u> </u>	▲ 1529	
Particles >14µm		ASTM D7647	>80	A 271	72	
Particles >21µm		ASTM D7647	>20	<u> </u>	19	
Particles >38µm		ASTM D7647	>4	3	1	
Particles >71µm		ASTM D7647		0	0	
Oil Cleanliness		ISO 4406 (c)	>/17/13	21/19/15	▲ 18/13	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)				0.42	0.270	inotory2

Acid Number (AN) mg KOH/g

mg KOH/g ASTM D8045 1.0

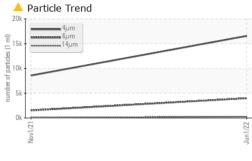
0.42 0.270 ----

Report Id: ASPATL [WUSCAR] 05584151 (Generated: 08/17/2023 11:11:44) Rev: 1

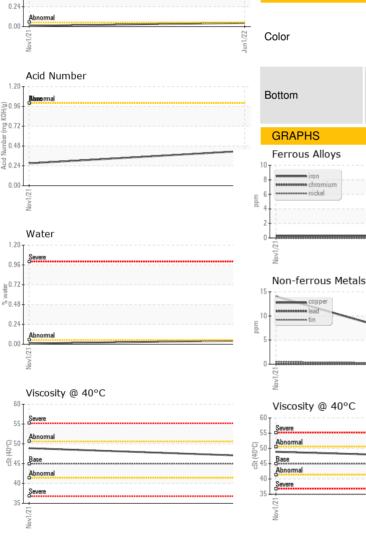
Contact/Location: BRIAN LORD - ASPATL

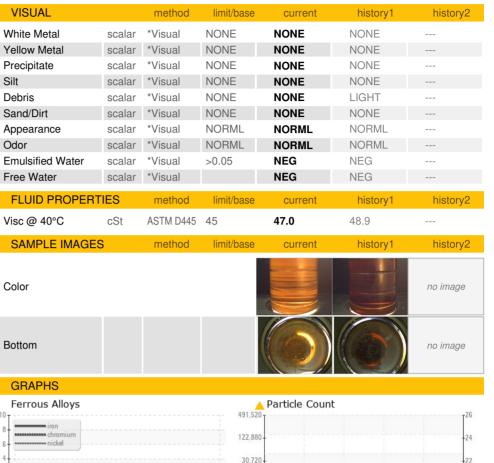


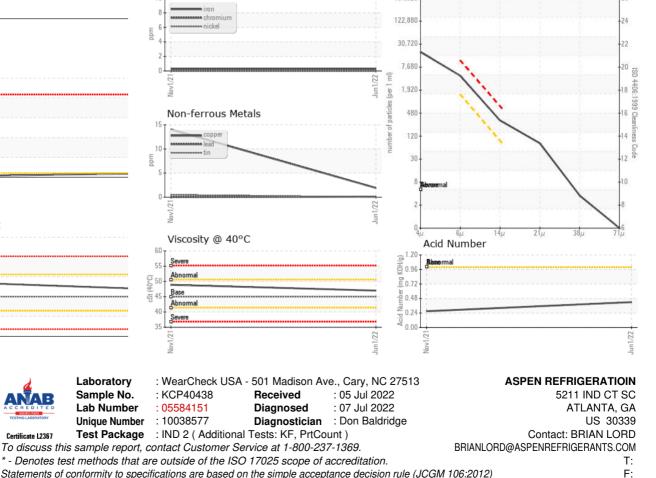
OIL ANALYSIS REPORT











Certificate L2367

Laboratory

Sample No.

Lab Number

Unique Number

Contact/Location: BRIAN LORD - ASPATL