

### **OIL ANALYSIS REPORT**

#### Sample Rating Trend



# KAESER AS 20 6521559 (S/N 1098)

Compressor

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

#### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

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

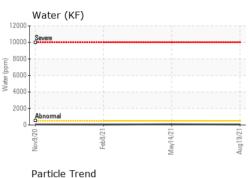
#### Fluid Condition

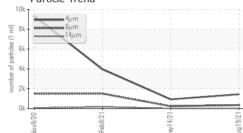
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

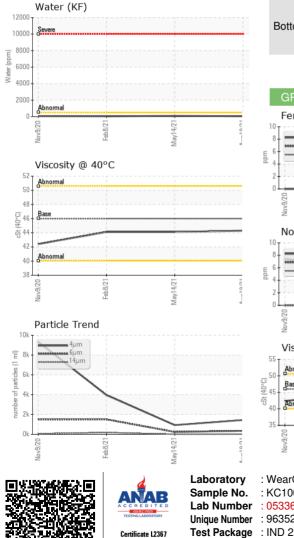
		Nov202	0 Feb2021	May2021	May2021 Aug2021		
SAMPLE INFORM	ΛΑΤΙΟΝ	method				history2	
Sample Number		Client Info		KC100454	KC90144	KC85009	
Sample Date		Client Info		19 Aug 2021	14 May 2021	08 Feb 2021	
Machine Age	hrs	Client Info		22055	20063	18002	
Oil Age	hrs	Client Info		1992	7662	5521	
Oil Changed		Client Info		Not Changd	Changed	Not Changd	
Sample Status				NORMAL	NORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>50	0	0	0	
Chromium	ppm	ASTM D5185m		0	0	0	
Nickel	ppm	ASTM D5185m	>3	<1	0	0	
Titanium	ppm	ASTM D5185m		0	0	0	
Silver		ASTM D5185m	>2	0	<1	<1	
	ppm			0 <1	<1	0	
Aluminum	ppm	ASTM D5185m					
Lead	ppm	ASTM D5185m	>10	0	0	0	
Copper	ppm	ASTM D5185m		7	5	6	
Tin	ppm	ASTM D5185m	>10	0	0	0	
Antimony	ppm	ASTM D5185m		0	0	0	
Vanadium	ppm	ASTM D5185m		0	0	0	
Cadmium	ppm	ASTM D5185m		<1	0	0	
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		15	1	<1	
Barium	ppm	ASTM D5185m	90	0	0	0	
Molybdenum	ppm	ASTM D5185m		0	0	0	
Manganese	ppm	ASTM D5185m		0	0	0	
Magnesium	ppm	ASTM D5185m	90	<1	<1	0	
Calcium	ppm	ASTM D5185m	2	0	0	0	
Phosphorus	ppm	ASTM D5185m		0	1	0	
Zinc	ppm	ASTM D5185m		0	0	0	
CONTAMINANTS	;	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	4	1	<1	
Sodium	ppm	ASTM D5185m		<1	0	0	
Potassium	ppm	ASTM D5185m	>20	6	0	0	
Water	%	ASTM D6304	>0.05	0.005	0.009	0.004	
ppm Water	ppm	ASTM D6304	>500	56.6	93.3	46.8	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2	
Particles >4µm		ASTM D7647		1436	928	3958	
Particles >6µm		ASTM D7647	>1300	353	234	▲ 1506	
Particles >14µm		ASTM D7647	>80	15	9	<b>1</b> 76	
Particles >21µm		ASTM D7647	>20	5	3	<b>4</b> 9	
Particles >38μm		ASTM D7647		0	0	1	
Particles >71µm		ASTM D7647		0	0	0	
Oil Cleanliness		ISO 4406 (c)	>/17/13	16/11	15/10	▲ 18/15	
FLUID DEGRADA	TION_	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.320	0.323	0.341	



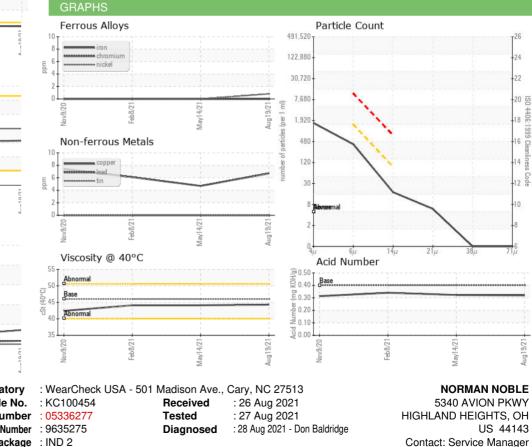
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NONE NONE \*Visual NONE NONE White Metal scalar Yellow Metal NONE NONE NONE NONE scalar \*Visual Precipitate scalar \*Visua NONE NONE NONE NONE Silt scalar \*Visual NONE NONE NONE NONE NONE NONE Debris \*Visual NONE NONE scalar Sand/Dirt NONE scalar \*Visual NONE NONE NONE NORML Appearance NORML NORML NORML scalar \*Visua Odor NORML NORML NORML scalar \*Visual NORML **Emulsified Water** scalar \*Visual >0.05 NEG NEG NEG Free Water scalar \*Visual NEG NEG NEG FLUID PROPERTIES Visc @ 40°C cSt ASTM D445 46 44.3 44.1 44.1 SAMPLE IMAGES 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)

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