

OIL ANALYSIS REPORT



2892407 (S/N 4972)

Component

Compressor

KAESER SIGMA (OEM) S-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

The aluminum level is abnormal. All other component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition

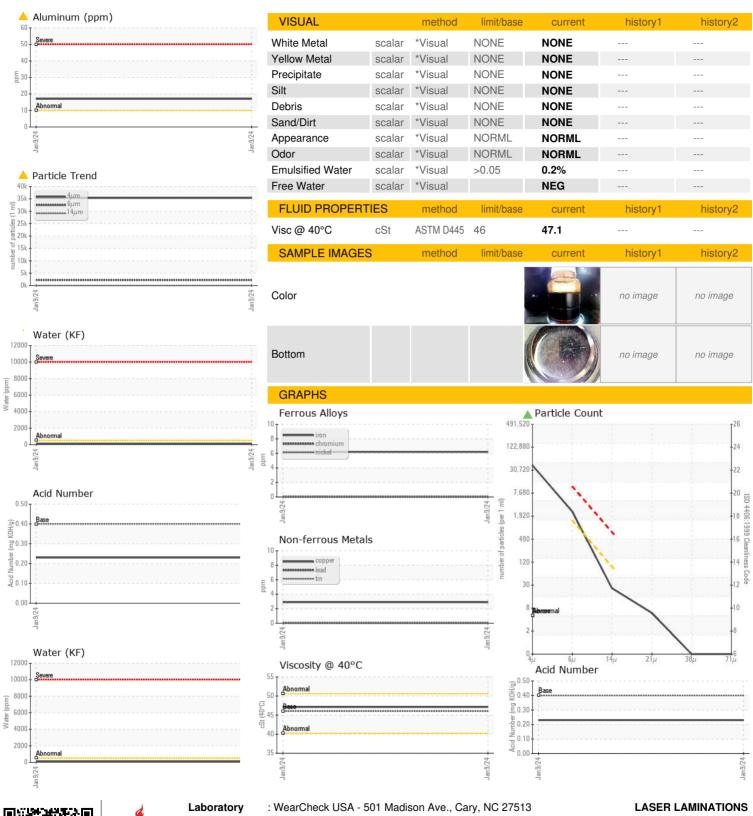
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Comp	le Rating Trend					
Samp	ie Rating Trend	W	WE			
	Jan 202	4				
method	limit/base	current	history1			

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA008882		
Sample Date		Client Info		09 Jan 2024		
Machine Age	hrs	Client Info		4083		
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	6		
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> 17</u>		
Lead	ppm	ASTM D5185m	>10	0		
Copper	ppm	ASTM D5185m	>50	3		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m	710	0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES	le le	method	limit/base		hiotorya	history2
			IIIIIIVDase	current	history1	,
Boron	ppm	ASTM D5185m	00	0		
Barium	ppm	ASTM D5185m	90	0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	90	<1		
Calcium	ppm	ASTM D5185m	2	<1		
Phosphorus	ppm	ASTM D5185m		83		
Zinc	ppm	ASTM D5185m		15		
Sulfur	ppm	ASTM D5185m		260		
CONTAMINANTS	}	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1		
Sodium	ppm	ASTM D5185m		4		
Potassium	ppm	ASTM D5185m	>20	10		
Water	%	ASTM D6304	>0.05	0.009		
ppm Water	ppm	ASTM D6304	>500	90		
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		35341		
Particles >6µm		ASTM D7647	>1300	2216		
Particles >14μm		ASTM D7647	>80	22		
Particles >21µm		ASTM D7647	>20	5		
Particles >38µm		ASTM D7647	>4	0		
Particles >71μm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>/17/13	22/18/12		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.23		



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Certificate L2367

Sample No. Lab Number **Unique Number**

: KCPA008882 : 06062005

: 10833387

Recieved : 16 Jan 2024

Diagnosed : 28 Jan 2024 Diagnostician : Don Baldridge

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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T: F:

Contact/Location: CHRIS ? - LASWAR