

OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

6539995 (S/N 1106)

Compressor

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

Recommendation

Resample at the next service interval to monitor.

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.

				Mar2024		
SAMPLE INFORM	NOITAN	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA015553		
Sample Date		Client Info		14 Mar 2024		
Machine Age	hrs	Client Info		20834		
Oil Age	hrs	Client Info		2780		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0		
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	0		
Lead	ppm	ASTM D5185m	>10	0		
Copper	ppm	ASTM D5185m	>50	<1		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0		
Barium	ppm	ASTM D5185m	90	<1		
Molybdenum	ppm	ASTM D5185m	0	0		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m	100	13		
Calcium	ppm	ASTM D5185m	0	<1		
Phosphorus	ppm	ASTM D5185m	0	0		
Zinc	ppm	ASTM D5185m	0	0		
Sulfur	ppm	ASTM D5185m	23500	22159		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0		
Sodium	ppm	ASTM D5185m		1		
Potassium	ppm	ASTM D5185m	>20	0		
Water	%	ASTM D6304	>0.05	0.009		
ppm Water	ppm	ASTM D6304	>500	94		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		6912		
Particles >6µm		ASTM D7647	>1300	841		
Particles >14µm		ASTM D7647	>80	40		
Particles >21µm		ASTM D7647	>20	12		
Particles >38µm		ASTM D7647	>4	1		
Particles >71µm		ASTM D7647	>3	0		
Oil Cleanliness		ISO 4406 (c)	>/17/13	20/17/12		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

Acid Number (AN)

mg KOH/g ASTM D8045 1.0

0.41



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Sample No.

Laboratory

Lab Number : 06145874

: KCPA015553 Unique Number : 10975952

Received **Tested** Diagnosed

: 11 Apr 2024 : 12 Apr 2024

: 15 Apr 2024 - Don Baldridge

60 EASY ST BUELLTON, CA US 93427 Contact: Service Manager

Test Package : IND 2 (Additional Tests: KF, PrtCount) Certificate 12367 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)

Contact/Location: Service Manager - EXCBUE

T:

F: