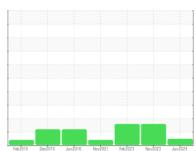


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

KAESER 4576059

Component Compressor

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

Recommendation

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

The amount and size of particulates present in the system are acceptable.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA018448	KCPA010765	KCP54446
Sample Date		Client Info		04 Jun 2024	20 Nov 2023	22 Feb 2023
Machine Age	hrs	Client Info		48423	46225	42968
Oil Age	hrs	Client Info		5455	0	5851
Oil Changed		Client Info		Changed	N/A	Changed
Sample Status				NORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	3	0
Chromium	ppm	ASTM D5185m	>10	0	<1	0
Nickel	ppm	ASTM D5185m	>3	0	<1	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	<1	0
Lead	ppm	ASTM D5185m	>10	0	<1	0
Copper	ppm	ASTM D5185m	>50	9	8	9
Tin	ppm	ASTM D5185m	>10	0	<1	0
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m	90	0	1	0
Molybdenum	ppm	ASTM D5185m		0	<1	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m	90	0	2	0
Calcium	ppm	ASTM D5185m	2	0	1	0
Phosphorus	ppm	ASTM D5185m		1	<1	0
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m		20021	20448	16229
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	2	<1
Sodium	ppm	ASTM D5185m		0	0	<1
Potassium	ppm	ASTM D5185m	>20	0	1	0
Water	%	ASTM D6304	>0.05	0.007	△ 0.116	0.007
ppm Water	ppm	ASTM D6304	>500	79	<u></u> 1160	79.2
FLUID CLEANLINE	ESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647		1955		5736
Particles >6µm		ASTM D7647	>1300	662		<u> </u>
Particles >14μm		ASTM D7647	>80	76		<u> </u>
Particles >21µm		ASTM D7647	>20	26		△ 33
Particles >38µm		ASTM D7647	>4	2		1
Particles >71μm		ASTM D7647	>3	0		0
Oil Cleanliness		ISO 4406 (c)	>/17/13	18/17/13		<u>^</u> 20/18/15
FLUID DEGRADA ⁻	TION	method	limit/base	current	history1	history2

0.41



OIL ANALYSIS REPORT







Laboratory Sample No.

Lab Number

: 06207090

: KCPA018448 Unique Number : 11074551

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 11 Jun 2024 **Tested** : 13 Jun 2024

Diagnosed

: 13 Jun 2024 - Angela Borella

4461 BUSINESS DR SHINGLE SPRINGS, CA US 95682

Contact:

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) T:

F: