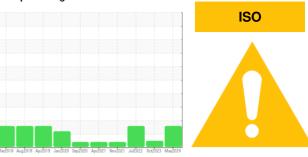


# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# KAESER ASD 40 4904959 (S/N 1003)

Compressor

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

### **DIAGNOSIS**

#### Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. 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	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA014455	KCPA007908	KC96313
Sample Date		Client Info		22 May 2024	27 Oct 2023	25 Jul 2022
Machine Age	hrs	Client Info		54926	51827	0
Oil Age	hrs	Client Info		3099	0	0
Oil Changed		Client Info		Changed	N/A	N/A
Sample Status				ABNORMAL	NORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	0	0
Chromium	ppm	ASTM D5185m	>10	<1	<1	0
Nickel	ppm	ASTM D5185m	>3	<1	0	0
Titanium	ppm	ASTM D5185m	>3	<1	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>10	3	2	<1
Lead	ppm	ASTM D5185m	>10	<1	0	0
Copper	ppm	ASTM D5185m	>50	4	10	3
Tin	ppm	ASTM D5185m	>10	<1	0	0
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	1
Barium	ppm	ASTM D5185m	90	46	<1	11
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	90	66	31	32
Calcium	ppm	ASTM D5185m	2	0	<1	0
Phosphorus	ppm	ASTM D5185m		1	0	2
Zinc	ppm	ASTM D5185m		16	32	26
Sulfur	ppm	ASTM D5185m		20339	20564	21515
CONTAMINANTS	,	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	0
Cadium						0
Sodium	ppm	ASTM D5185m		10	11	8
	ppm	ASTM D5185m ASTM D5185m	>20	10 5	11 4	<1 <1
Sodium Potassium Water				-	11 4 0.019	
Potassium Water	ppm	ASTM D5185m		5	4	<1
Potassium Water	ppm % ppm	ASTM D5185m ASTM D6304	>0.05	5 0.018	4 0.019	<1 0.016
Potassium Water ppm Water FLUID CLEANLIN	ppm % ppm	ASTM D5185m ASTM D6304 ASTM D6304	>0.05 >500	5 0.018 190	4 0.019 194.1	<1 0.016 162.2
Potassium Water opm Water FLUID CLEANLIN Particles >4µm	ppm % ppm	ASTM D5185m ASTM D6304 ASTM D6304 method	>0.05 >500 limit/base	5 0.018 190 current	4 0.019 194.1 history1	<1 0.016 162.2 history2
Potassium Water opm Water FLUID CLEANLIN Particles >4µm Particles >6µm	ppm % ppm	ASTM D5185m ASTM D6304 ASTM D6304 method ASTM D7647	>0.05 >500 limit/base	5 0.018 190 current 7853	4 0.019 194.1 history1	<1 0.016 162.2 history2 7505
Potassium Water ppm Water FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm	ppm % ppm	ASTM D5185m ASTM D6304 ASTM D6304 method ASTM D7647 ASTM D7647	>0.05 >500 limit/base	5 0.018 190 current 7853 ^ 3834	4 0.019 194.1 history1	<1 0.016 162.2 history2 7505 3298
Potassium Water ppm Water	ppm % ppm	ASTM D5185m ASTM D6304 ASTM D6304 method ASTM D7647 ASTM D7647 ASTM D7647	>0.05 >500 limit/base >1300 >80	5 0.018 190 current 7853 3834 351	4 0.019 194.1 history1	<1 0.016 162.2 history2 7505 ▲ 3298 ▲ 367
Potassium Water ppm Water FLUID CLEANLIN Particles >4 Particles >6 Particles >14 Particles >14 Particles >21 Particles >21	ppm % ppm	ASTM D5185m ASTM D6304 ASTM D6304 method ASTM D7647 ASTM D7647 ASTM D7647	>0.05 >500 limit/base >1300 >80 >20 >4	5 0.018 190 current 7853 3834 351 78	4 0.019 194.1 history1	<1 0.016 162.2 history2 7505 ▲ 3298 ▲ 367 ▲ 125
Potassium Water opm Water FLUID CLEANLIN Particles >4 Particles >6 Particles >14 Particles >21 Particles >38 Particles >38	ppm % ppm	ASTM D5185m ASTM D6304 ASTM D6304 method ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>0.05 >500 limit/base >1300 >80 >20 >4	5 0.018 190 current 7853 3834 351 78	4 0.019 194.1 history1  	<1 0.016 162.2 history2 7505 3298 367 125 3



## **OIL ANALYSIS REPORT**







Certificate 12367

Laboratory Sample No.

Lab Number

Unique Number : 11090190

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : KCPA014455 Received : 21 Jun 2024 **Tested** : 06217326

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

: 25 Jun 2024 : 25 Jun 2024 - Don Baldridge 13643 COUNTY RD 13.7 STERLING, CO US 80751

Contact: Service Manager

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: