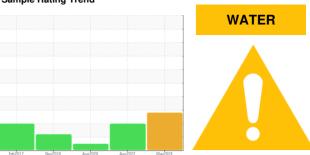


# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id

# KAESER SK 15T 4430616 (S/N 1146)

Compressor

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

### **DIAGNOSIS**

### Recommendation

Oil and filter change at the time of sampling has been noted. We were unable to perform a particle count due to a high concentration of particles present in this sample. We recommend an early resample in 500 hours to monitor this condition.

All component wear rates are normal.

### Contamination

There is a moderate amount of visible silt present in the sample. There is a light concentration of water present in the oil.

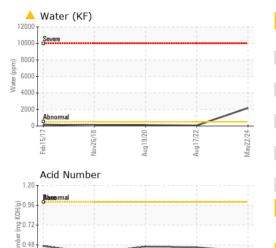
### **Fluid Condition**

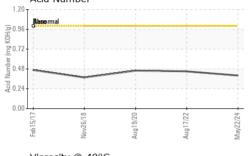
The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in

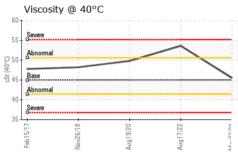
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA017865	KCP28694	KCP10510
Sample Date		Client Info		22 May 2024	17 Aug 2022	19 Aug 2020
Machine Age	hrs	Client Info		56749	52712	42706
Oil Age	hrs	Client Info		0	4000	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	1	<1
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	<1
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	<1	0
Aluminum	ppm	ASTM D5185m	>10	<1	<1	0
Lead	ppm	ASTM D5185m	>10	<1	<1	0
Copper	ppm	ASTM D5185m	>50	<1	20	14
Tin	ppm	ASTM D5185m	>10	0	<1	0
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m	90	35	2	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	100	101	12	2
Calcium	ppm	ASTM D5185m	0	3	0	0
Phosphorus	ppm	ASTM D5185m	0	7	8	<1
Zinc	ppm	ASTM D5185m	0	28	65	17
Sulfur	ppm	ASTM D5185m	23500	24613	19426	18184
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	1
Sodium	ppm	ASTM D5185m		22	2	1
Potassium	ppm	ASTM D5185m	>20	5	2	0
Water	%	ASTM D6304	>0.05	<u> </u>	0.006	0.011
ppm Water	ppm	ASTM D6304	>500	<u>^</u> 2180	66.4	115.1
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647			27794	5951
Particles >6µm		ASTM D7647	>1300		<u>^</u> 7554	895
Particles >14µm		ASTM D7647	>80		<u></u> 582	48
Particles >21μm		ASTM D7647	>20		<b>4</b> 97	13
Particles >38µm		ASTM D7647	>4		<u>^</u> 5	0
Particles >71µm		ASTM D7647	>3		0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13		<u>^</u> 22/20/16	17/13
On Oleaniness		100 4100 (0)	- /11/10			17710



## **OIL ANALYSIS REPORT**



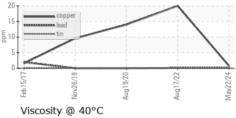


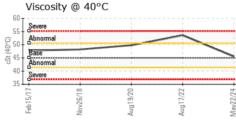


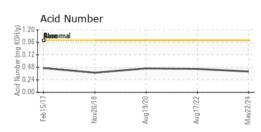


### **GRAPHS**

Ferrous Alloys Non-ferrous Metals











Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : KCPA017865

Lab Number : 06196701 Unique Number : 11058824

Received **Tested** 

: 31 May 2024 : 03 Jun 2024 Diagnosed

: 03 Jun 2024 - Don Baldridge Test Package : IND 2 ( Additional Tests: KF, PrtCount )

US 21162 Contact: JOE BECKER joe\_becker@carmax.com

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)

Report Id: CARWHIKC [WUSCAR] 06196701 (Generated: 06/04/2024 07:56:13) Rev: 1

T:

F:

**CARMAX 7121** 

10201 PHILADELPHIA RD

WHITE MARSH, MD