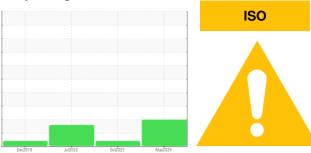


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

KAESER 6600679

Component Compressor

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

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. 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

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	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA016692	KCPA007541	KCP40638
Sample Date		Client Info		21 May 2024	18 Oct 2023	26 Jul 2022
Machine Age	hrs	Client Info		22776	20248	14741
Oil Age	hrs	Client Info		8035	0	5559
Oil Changed		Client Info		Changed	N/A	Changed
Sample Status				ABNORMAL	ABNORMAL	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	18	<1
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>3	<1	0	0
Titanium	ppm	ASTM D5185m	>3	<1	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	1	1	<1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	44	16	6
Tin	ppm	ASTM D5185m	>10	<1	0	0
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	2
Barium	ppm	ASTM D5185m	90	0	2	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	90	<1	1	<1
Calcium	ppm	ASTM D5185m	2	0	0	0
Phosphorus	ppm	ASTM D5185m		2	2	2
Zinc	ppm	ASTM D5185m		2	5	30
Sulfur	ppm	ASTM D5185m		22821	13246	16049
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	<1	0
Sodium	ppm	ASTM D5185m		0	3	3
Potassium	ppm	ASTM D5185m	>20	1	5	<1
Water	%	ASTM D6304	>0.05	0.004	0.006	0.013
ppm Water	ppm	ASTM D6304	>500	47	64.0	133.2
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
D :: 1 .		ASTM D7647		12415		8928
Particles >4µm		ASTM D7647	>1300	△ 3362		2156
·		/IOTIVI DI OTI				
Particles >4µm Particles >6µm Particles >14µm		ASTM D7647	>80	4 364		139
Particles >6µm			>80 >20	▲ 364 ▲ 125		13929
Particles >6µm Particles >14µm		ASTM D7647				
Particles >6µm Particles >14µm Particles >21µm		ASTM D7647 ASTM D7647	>20	<u> </u>		29
Particles >6μm Particles >14μm Particles >21μm Particles >38μm		ASTM D7647 ASTM D7647 ASTM D7647	>20 >4	<u>^</u> 125 <u>^</u> 8		29



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. Lab Number

Unique Number : 11060307

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : KCPA016692 : 06198184

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

: 03 Jun 2024 : 05 Jun 2024

US ARMY RESEARCH LABORATORY 6375 JOHNSON RD ABERDEEN PROVING GROUND, MD US 21005

: 05 Jun 2024 - Don Baldridge Contact: RICHARD GERDOM To discuss this sample report, contact Customer Service at 1-800-237-1369. richard.b.gerdom.civ@army.mil

* - 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: