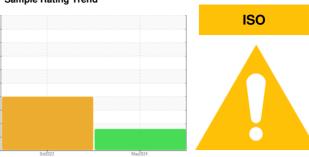


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

7976653 (S/N 1977)

Compressor

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

DIAGNOSIS

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

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.

			0et2022	May2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC129375	KCP46552D	
Sample Date		Client Info		13 May 2024	17 Oct 2022	
Machine Age	hrs	Client Info		4941	2022	
Oil Age	hrs	Client Info		2000	962	
Oil Changed	0	Client Info		Changed	Changed	
Sample Status				ABNORMAL	ABNORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	<1	
Chromium	ppm	ASTM D5185m	>10	0	0	
Nickel	ppm	ASTM D5185m	>3	0	0	
Titanium	ppm	ASTM D5185m	>3	0	0	
Silver	ppm	ASTM D5185m	>2	0	0	
Aluminum	ppm	ASTM D5185m	>10	<1	<1	
Lead	ppm	ASTM D5185m	>10	0	0	
Copper	ppm	ASTM D5185m	>50	6	2	
Tin	ppm	ASTM D5185m	>10	<1	0	
Vanadium	ppm	ASTM D5185m		0	0	
Cadmium	ppm	ASTM D5185m		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	
Barium	ppm	ASTM D5185m	90	15	16	
Molybdenum	ppm	ASTM D5185m	0	0	0	
Manganese	ppm	ASTM D5185m		<1	<1	
Magnesium	ppm	ASTM D5185m	100	66	49	
Calcium	ppm	ASTM D5185m	0	0	1	
Phosphorus	ppm	ASTM D5185m	0	<1	24	
Zinc	ppm	ASTM D5185m	0	0	3	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	1	
Sodium	ppm	ASTM D5185m		19	2	
Potassium	ppm	ASTM D5185m	>20	2	0	
Water	%	ASTM D6304	>0.05	0.017	△ 0.340	
ppm Water	ppm	ASTM D6304	>500	175	▲ 3400	
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		48620		
Particles >6µm		ASTM D7647	>1300	<u>^</u> 21109		
Particles >14μm		ASTM D7647	>80	<u>▲</u> 553		
Particles >21µm		ASTM D7647	>20	<u> </u>		
Particles >38μm		ASTM D7647	>4	2		
Particles >71μm		ASTM D7647		0		
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>23/22/16</u>		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.38	0.37	



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. : KC129375 Lab Number : 06185037 Unique Number : 11036363 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 20 May 2024 **Tested** : 22 May 2024

Diagnosed

: 22 May 2024 - Jonathan Hester Contact: Service Manager

To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - 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: CARFTC [WUSCAR] 06185037 (Generated: 05/22/2024 17:53:20) Rev: 1

Contact/Location: Service Manager - CARFTC

1833 E MULBERRY ST

FT COLLINS, CO

US 80524

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