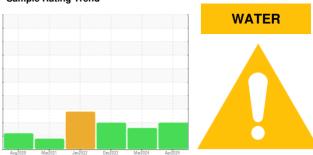


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

7352685 (S/N 1114)

Component Compressor

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

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

Moderate concentration of visible dirt/debris present in the oil. There is a light concentration of water present in the oil.

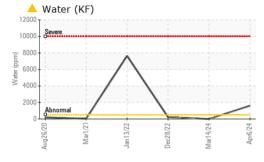
Fluid Condition

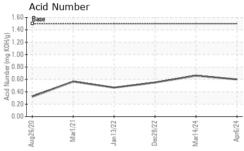
The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in

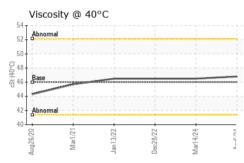
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC130600	KC130157	KC103587
Sample Date		Client Info		06 Apr 2024	14 Mar 2024	28 Dec 2022
Machine Age	hrs	Client Info		12919	12919	11791
Oil Age	hrs	Client Info		1200	0	5400
Oil Changed		Client Info		Changed	Not Changd	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	33	24	3
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	6	6	3
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	12	10	17
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m		2	0	0
Calcium	ppm	ASTM D5185m		2	0	0
Phosphorus	ppm	ASTM D5185m	500	269	277	196
Zinc	ppm	ASTM D5185m		242	243	255
CONTAMINANTS	1	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	0	2
Sodium	ppm	ASTM D5185m		3	0	0
Potassium	ppm	ASTM D5185m	>20	1	0	1
Water	%	ASTM D6304	>0.05	<u> </u>	0.00	0.022
ppm Water	ppm	ASTM D6304	>500	<u> </u>	0	223.0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647			16341	82710
Particles >6µm		ASTM D7647	>1300		▲ 4807	△ 29985
Particles >14μm		ASTM D7647	>80		△ 379	<u> </u>
Particles >21μm		ASTM D7647	>20		▲ 108	<u>425</u>
Particles >38μm		ASTM D7647	>4		3	<u>▲</u> 61
Particles >71μm		ASTM D7647	>3		0	2
Oil Cleanliness		ISO 4406 (c)	>/17/13		<u>\$\text{\Delta}\$ 21/19/16</u>	<u>△</u> 24/22/17
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.5	0.60	0.66	0.55

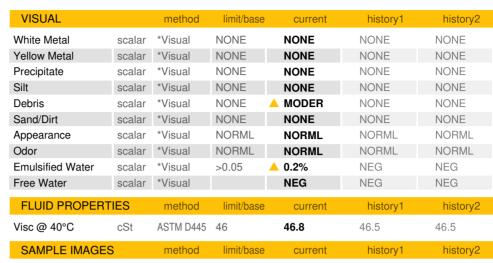


OIL ANALYSIS REPORT









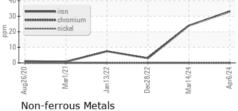
Color

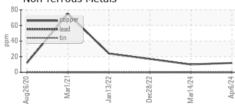


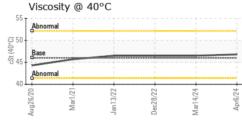


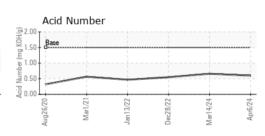
GRAPHS















Certificate 12367

Laboratory Sample No.

Test Package : IND 2

: KC130600 Lab Number : 06148716 Unique Number : 10978794

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 15 Apr 2024 Tested : 17 Apr 2024 Diagnosed

: 17 Apr 2024 - Don Baldridge

PIERRES ICE CREAM 6200 EUCLID AVE

CLEVELAND, OH US 44103

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: