

OIL ANALYSIS REPORT

Sample Rating Trend

VIS DEBRIS



6866616 (S/N 1359)

Component

Compressor

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

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.

Wear

All component wear rates are normal.

Contamination

Moderate concentration of visible dirt/debris present in the oil.

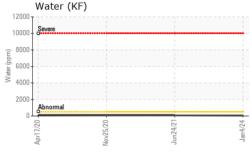
Fluid Condition

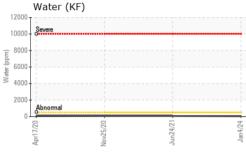
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

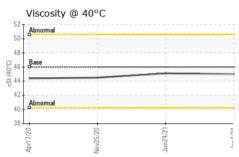
		Apr202) Nov2020	Jun 2021 Ja	n2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KC95734	KC99961	KC93433
Sample Date		Client Info		04 Jan 2024	24 Jun 2021	25 Nov 2020
Machine Age	hrs	Client Info		33139	17342	12749
Oil Age	hrs	Client Info		0	0	5305
Oil Changed		Client Info		Not Changd	Changed	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	0
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	<1	0
Aluminum	ppm	ASTM D5185m	>10	2	0	0
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	12	17	15
Tin	ppm	ASTM D5185m	>10	0	0	0
Antimony	ppm	ASTM D5185m			0	0
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	8
Barium	ppm	ASTM D5185m	90	0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	90	0	0	12
Calcium	ppm	ASTM D5185m	2	0	0	4
Phosphorus	ppm	ASTM D5185m		0	8	3
Zinc	ppm	ASTM D5185m		9	0	18
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	0	0
Sodium	ppm	ASTM D5185m		2	0	6
Potassium	ppm	ASTM D5185m	>20	2	0	1
Water	%	ASTM D6304	>0.05	0.004	0.007	0.008
ppm Water	ppm	ASTM D6304	>500	47	73.4	84.8
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647			964	542
Particles >6µm		ASTM D7647	>1300		273	155
Particles >14μm		ASTM D7647	>80		19	15
Particles >21µm		ASTM D7647	>20		7	5
Particles >38µm		ASTM D7647	>4		0	2
Particles >71µm		ASTM D7647	>3		0	1
Oil Cleanliness		ISO 4406 (c)	>/17/13		15/11	14/11
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

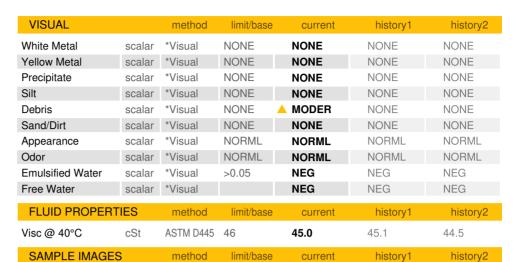


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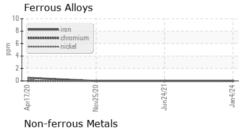


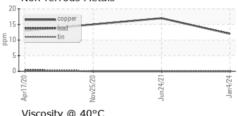
Color

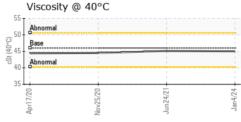


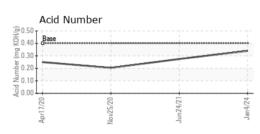


GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number

: KC95734 : 06122339 **Unique Number** : 10936490 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested**

: 21 Mar 2024 Diagnosed

: 21 Mar 2024 - Don Baldridge

: 19 Mar 2024

MACKNIGHT SMOKED FOODS

550 NE 185TH ST MIAMI, FL US 33169

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)

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