

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

7698387 (S/N 1093)

Component Compressor Fluid KAESER SIGMA (OEM) M-460 (--- QTS)

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.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA015427	KCPA005763	KCP50464
Sample Date		Client Info		20 Feb 2024	15 Nov 2023	23 Sep 2022
Machine Age	hrs	Client Info		21176	18852	12142
Oil Age	hrs	Client Info		2325	0	6189
Oil Changed		Client Info		Not Changd	N/A	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
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		0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	0	0
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm			6	5	6
Tin	ppm		>10	0	0	0
Antimony	ppm	ASTM D5185m	>10			
Vanadium	ppm	ASTM D5185m		0	0	0
				0	0	0
Cadmium	ppm	ASTM D5185m		U	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m	90	0	<u> </u>	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	100	0	<u> </u>	0
Calcium	ppm	ASTM D5185m	0	0	0	0
Phosphorus	ppm	ASTM D5185m	0	0	0	3
Zinc	ppm	ASTM D5185m	0	0	0	0
Sulfur	ppm	ASTM D5185m	23500	17262	19908	18244
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	<1
Sodium	ppm	ASTM D5185m		<1	<1	0
Potassium	ppm	ASTM D5185m	>20	0	0	0
Water	%	ASTM D6304	>0.05	0.020	0.010	0.014
ppm Water	ppm	ASTM D6304	>500	208	107	141.9
FLUID CLEANLINI	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647			1311	22279
Particles >6µm		ASTM D7647	>1300		332	4 007
Particles >14µm		ASTM D7647	>80		33	1 50
Particles >21µm		ASTM D7647	>20		10	<u> </u>
Particles >38µm		ASTM D7647	>4		1	1
Particles >71µm		ASTM D7647	>3		0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13		18/16/12	2 2/19/14
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN) :20:08) Rev: 1	mg KOH/g	ASTM D8045	1.0 C	0.55	0.55 Service Manag	0.059 er - HEXBIEN

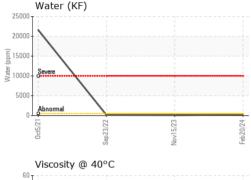
Report Id: HEXRIENC [WUSCAR] 06161452 (Generated: 05/01/2024 11:20:08) Rev: 1

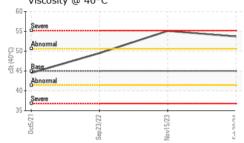
Contact/Location: Service Manager - HEXRIENC



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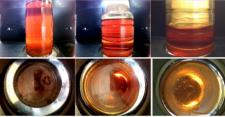
Water (KF	-)		
20000			
(fig. 15000 at 15000 Severe			
5000	\backslash		
Abnormal			
0ct5/21	Sep23/22 -	Nav15/23 -	Feb20/24 -
	-\		



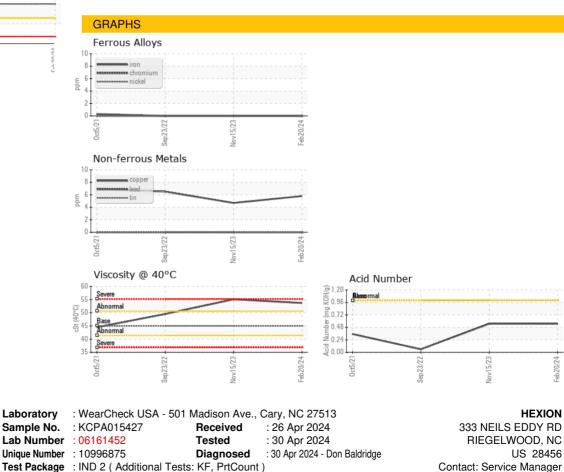


VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	A MODER	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	45	53.7	▲ 55.1	49.5
SAMPLE IMAGES		method	limit/base	current	history1	history2

Color



Bottom



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)

Certificate 12367

Contact/Location: Service Manager - HEXRIENC

T:

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