

OIL ANALYSIS REPORT

Sample Rating Trend

VISCOSITY

Machine Id

7698387 (S/N 1093)

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

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. The 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 no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Fluid Condition

The oil viscosity is higher than normal. The AN level is acceptable for this fluid.

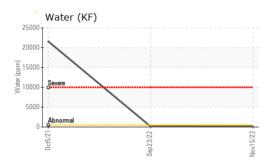
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA005763	KCP50464	KCP38753
Sample Date		Client Info		15 Nov 2023	23 Sep 2022	05 Oct 2021
Machine Age	hrs	Client Info		18852	12142	5359
Oil Age	hrs	Client Info		0	6189	5359
Oil Changed		Client Info		N/A	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	SEVERE
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	<1
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	1
Aluminum	ppm	ASTM D5185m	>10	0	0	1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm			5	6	7
Tin		ASTM D5185m	>10	5 0	0	0
	ppm	ASTM D5185m	>10			0
Antimony	ppm					
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	<1
Barium	ppm	ASTM D5185m	90	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	100	0	0	0
Calcium	ppm	ASTM D5185m	0	0	0	<1
Phosphorus	ppm	ASTM D5185m	0	0	3	2
Zinc	ppm	ASTM D5185m	0	0	0	0
Sulfur	ppm	ASTM D5185m	23500	19908	18244	12919
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	0
Sodium	ppm	ASTM D5185m	220	<1	0	<1
Potassium	ppm	ASTM D5185m	>20	0	0	0
Water	%	ASTM D5185III		0.010	0.014	▲ 2.16
ppm Water	ppm	ASTM D0304 ASTM D6304	>500	107	141.9	▲ 21600
FLUID CLEANLIN		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		1311	22279	6072
Particles >6µm		ASTM D7647	>1300	332	4007	▲ 3308
Particles >14µm		ASTM D7647 ASTM D7647	>80	332	▲ 150	▲ 563
•		ASTM D7647 ASTM D7647		33 10	▲ 28	▲ 190
Particles >21µm						
Particles >38µm		ASTM D7647	>4	1	1	▲ 29
Particles >71µm		ASTM D7647		0	0	▲ 3
Oil Cleanliness		ISO 4406 (c)	>/17/13	18/16/12	▲ 22/19/14	▲ 19/16
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.55	0.059	0.351

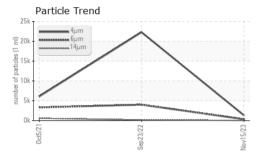
Report Id: HEXRIENC [WUSCAR] 06161456 (Generated: 05/04/2024 00:51:34) Rev: 1

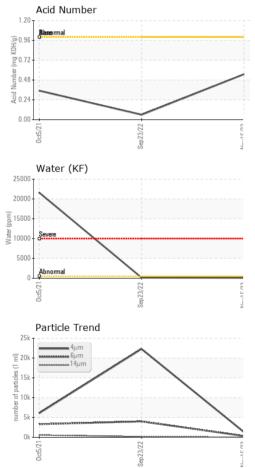
Contact/Location: Service Manager - HEXRIENC



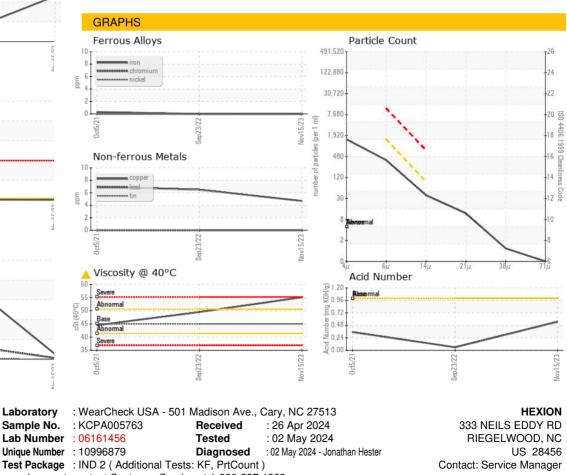
OIL ANALYSIS REPORT







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	NONE	LIGHT	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	▲ 0.2%
Free Water	scalar	*Visual		NEG	NEG	1 .0
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	45	<mark>▲</mark> 55.1	49.5	44.5
SAMPLE IMAGES	6	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)

Report Id: HEXRIENC [WUSCAR] 06161456 (Generated: 05/04/2024 00:51:34) Rev: 1

Certificate 12367

Laboratory

Sample No.

Contact/Location: Service Manager - HEXRIENC Page 2 of 2

T:

F: