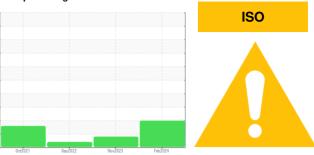


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

6807371 (S/N 2063)

Compressor

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 a high amount of particulates present in the oil.

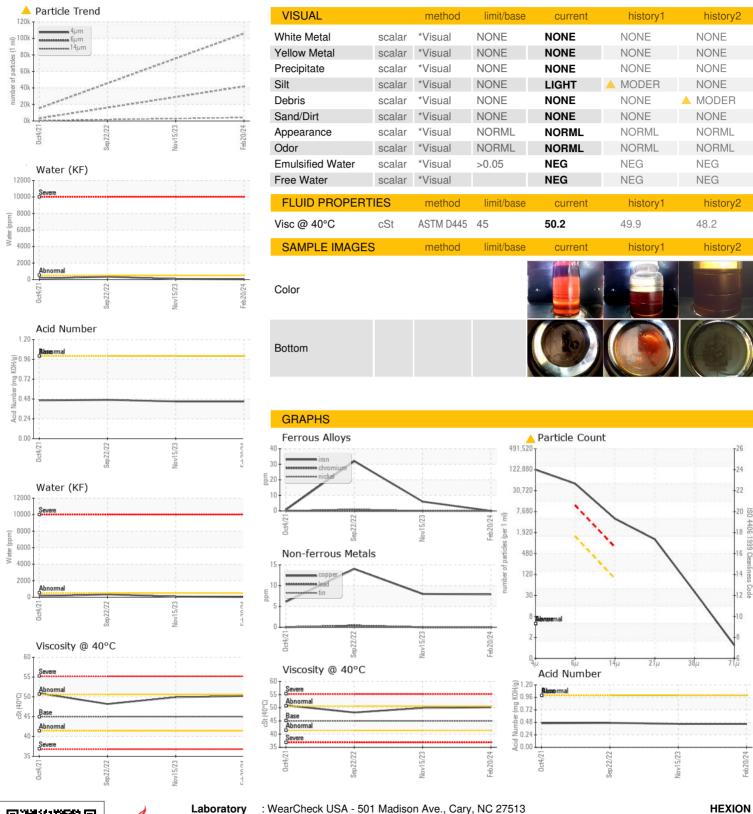
Fluid Condition

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

		0et202	1 Sep2022	Nov2023 Fel	2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA015406	KCPA005766	KCP51462
Sample Date		Client Info		20 Feb 2024	15 Nov 2023	22 Sep 2022
Machine Age	hrs	Client Info		0	20370	18658
Oil Age	hrs	Client Info		188	0	2054
Oil Changed		Client Info		Not Changd	N/A	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	6	32
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	1
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	0	0	7
Lead	ppm	ASTM D5185m	>10	0	0	<1
Copper	ppm	ASTM D5185m	>50	8	8	14
Tin	ppm	ASTM D5185m	>10	0	0	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	0
Barium	ppm	ASTM D5185m	90	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	100	0	0	6
Calcium	ppm	ASTM D5185m	0	0	0	<1
Phosphorus	ppm	ASTM D5185m	0	0	0	31
Zinc	ppm	ASTM D5185m	0	0	0	24
Sulfur	ppm	ASTM D5185m	23500	18856	19848	18214
CONTAMINANTS	,	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	0	2
Sodium	ppm	ASTM D5185m		<1	1	8
Potassium	ppm	ASTM D5185m	>20	0	0	8
Water	%	ASTM D6304	>0.05	0.003	0.007	0.034
ppm Water	ppm	ASTM D6304	>500	38	78	340.8
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647		105950		
Particles >6μm		ASTM D7647	>1300	41927		
Particles >14μm		ASTM D7647	>80	<u>4160</u>		
Particles >21µm		ASTM D7647	>20	<u> </u>		
Particles >38μm		ASTM D7647	>4	<u>^</u> 34		
Particles >71µm		ASTM D7647	>3	1		
Oil Cleanliness		ISO 4406 (c)	>/17/13	<u>4</u> 24/23/19		



OIL ANALYSIS REPORT







Certificate 12367

Sample No.

Laboratory

Lab Number : 06161451 Unique Number : 10996874

: KCPA015406 Received **Tested**

: 29 Apr 2024 Diagnosed Test Package : IND 2 (Additional Tests: KF, PrtCount)

: 30 Apr 2024 - Don Baldridge

: 26 Apr 2024

333 NEILS EDDY RD RIEGELWOOD, NC

US 28456 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: