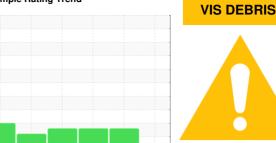


OIL ANALYSIS REPORT

Sample Rating Trend



KAESER SK 19 1420964 (S/N 01815121)

Compressor

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

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. 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.

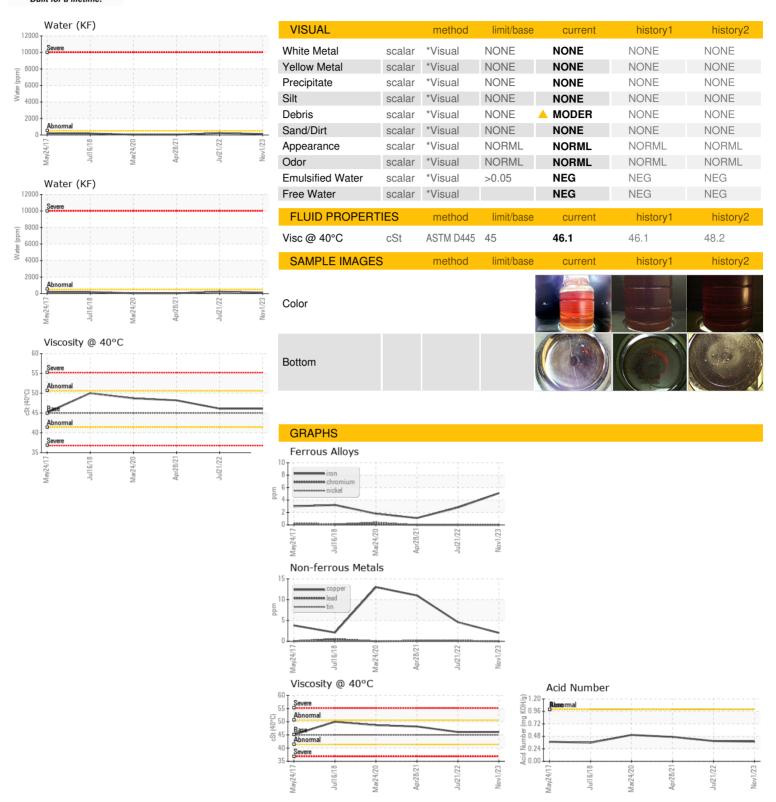
Fluid Condition

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

		May2017	Jul2018 Mar2020	Apr2021 Jul2022	Nov2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA009131	KCP40632	KCP28352
Sample Date		Client Info		01 Nov 2023	21 Jul 2022	28 Apr 2021
Machine Age	hrs	Client Info		21434	19983	18825
Oil Age	hrs	Client Info		0	3000	3000
Oil Changed		Client Info		N/A	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	5	3	1
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>3	<1	0	0
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>10	<1	1	0
Lead	ppm	ASTM D5185m	>10	0	<1	<1
Copper	ppm	ASTM D5185m	>50	2	5	11
Tin	ppm	ASTM D5185m	>10	0	0	0
Antimony	ppm	ASTM D5185m				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	0	<1
Barium	ppm	ASTM D5185m	90	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		2	1	<1
Magnesium	ppm	ASTM D5185m	100	19	12	1
Calcium	ppm	ASTM D5185m	0	0	0	0
Phosphorus	ppm	ASTM D5185m	0	0	5	4
Zinc	ppm	ASTM D5185m	0	29	54	0
Sulfur	ppm	ASTM D5185m	23500	18426	21469	15062
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	2
Sodium	ppm	ASTM D5185m		14	4	0
Potassium	ppm	ASTM D5185m	>20	<1	2	0
Water	%	ASTM D6304	>0.05	0.012	0.022	0.004
ppm Water	ppm	ASTM D6304	>500	120	227.6	40.7
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647			41477	32587
Particles >6µm		ASTM D7647	>1300		<u>▲</u> 8591	<u></u>
Particles >14µm		ASTM D7647	>80		▲ 378	▲ 702
Particles >21µm		ASTM D7647	>20		△ 91	<u>△</u> 237
Particles >38µm		ASTM D7647	>4		2	▲ 11
Particles >71µm		ASTM D7647	>3		0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13		△ 23/20/16	△ 20/17
FLUID DEGRADATION method limit/base current history1 history1						history2
A -tal Nicoral (AND	1/01//	4.OTM D00 :=	4.0	0.00	0.00	0.400



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number**

: KCPA009131 : 06073880 : 10855971

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 30 Jan 2024 Diagnosed

: 31 Jan 2024 Diagnostician : Don Baldridge

Test Package : IND 2 (Additional Tests: KF, PrtCount) 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)

IVI NORTH W6447 LEVI DR GREENVILLE, WI

US 54942 Contact: SERVICE MANAGER

JLVEDTKE@IVINC.COM

Contact/Location: SERVICE MANAGER ? - IVIGRE

T: F: