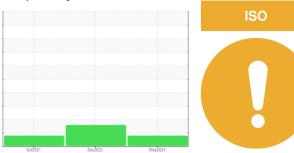


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

KAESER 7711591

Component Compressor

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

Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

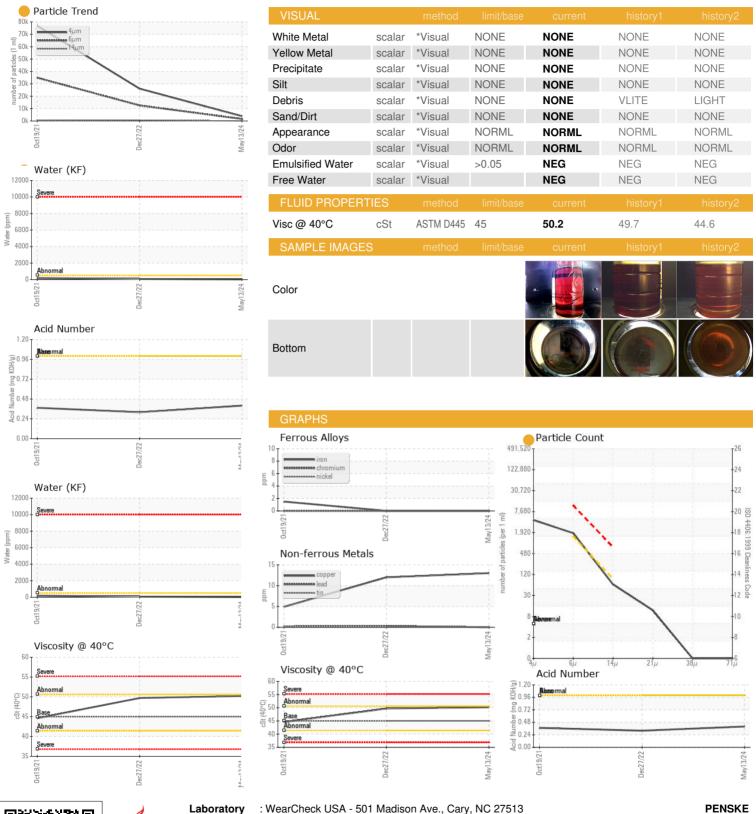
Fluid Condition

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

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA014483	KCP40467	KCP39266
Sample Date		Client Info		13 May 2024	27 Dec 2022	19 Oct 2021
Machine Age	hrs	Client Info		16291	9540	3258
Oil Age	hrs	Client Info		6751	6283	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ATTENTION	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	2
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	0
Aluminum	ppm	ASTM D5185m	>10	0	0	0
Lead	ppm	ASTM D5185m	>10	0	<1	<1
Copper	ppm	ASTM D5185m	>50	13	12	5
Tin	ppm	ASTM D5185m	>10	0	0	0
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		<1	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	6
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	100	0	0	39
Calcium	ppm	ASTM D5185m	0	0	0	0
Phosphorus	ppm	ASTM D5185m	0	0	0	4
Zinc	ppm	ASTM D5185m	0	0	0	0
Sulfur	ppm	ASTM D5185m	23500	17894	20656	15515
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	9	15	0
Sodium	ppm	ASTM D5185m		1	<1	7
Potassium	ppm	ASTM D5185m	>20	0	0	<1
Water	%	ASTM D6304	>0.05	0.002	0.007	0.018
ppm Water	ppm	ASTM D6304	>500	21	71.1	186.7
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647		3828	26098	76817
Particles >6µm		ASTM D7647	>1300	<u> </u>	<u>12554</u>	▲ 34929
Particles >14µm		ASTM D7647	>80	55	<u>▲</u> 637	<u>415</u>
Particles >21µm		ASTM D7647	>20	10	<u>117</u>	18
Particles >38µm		ASTM D7647	>4	0	4	0
Particles >71μm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	19/18/13	<u>22/21/16</u>	<u>^</u> 22/16
FLUID DEGRADA	TION	method	limit/base	current	history1	history2



OIL ANALYSIS REPORT







Certificate 12367

Laboratory

Sample No. Lab Number

Unique Number : 11072863

: KCPA014483 : 06205402

Received : 10 Jun 2024 **Tested** Diagnosed

: 13 Jun 2024 : 13 Jun 2024 - 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)

WEST SACRAMENTO, CA US 95691

3009 EVERGREEN AVE

Contact: TIMOTHY WALLINDER timothy.wallinder@penske.com

T: F: