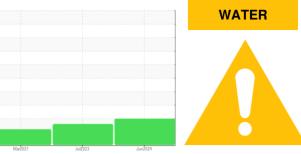


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

KAESER 7332789

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

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. We were unable to perform a particle count due to a high concentration of particles present in this sample. We recommend an early resample in 500 hours to monitor this condition.

Wear

All component wear rates are normal.

Contamination

Moderate concentration of visible dirt/debris present in the oil. There is a light concentration of water present in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

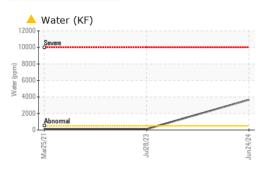
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA019487	KCPA004166	KCP37218
Sample Date		Client Info		24 Jun 2024	28 Jul 2023	25 Mar 2021
Machine Age	hrs	Client Info		13010	11988	4366
Oil Age	hrs	Client Info		1500	0	4366
Oil Changed		Client Info		Changed	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	<1	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	<1	<1
Aluminum	ppm	ASTM D5185m	>10	0	0	<1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	25	27	21
Tin	ppm	ASTM D5185m	>10	0	0	<1
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	8
Barium	ppm	ASTM D5185m	90	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	<1
Manganese	ppm	ASTM D5185m	100	<1	0	0
Magnesium	ppm	ASTM D5185m	100	0	1	5 0
Calcium	ppm	ASTM D5185m		0	0	
Phosphorus	ppm	ASTM D5185m	0	0	3	4
Zinc	ppm		0	94	81	25
Sulfur	ppm	ASTM D5185m	23500	21340	18240	12068
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	0
Sodium	ppm	ASTM D5185m		<1	0	4
Potassium	ppm	ASTM D5185m		<1	<1	0
Water	%	ASTM D6304	>0.05	A 0.367	0.010	0.010
ppm Water	ppm	ASTM D6304	>500	A 3670	104.3	104.0
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647			22082	16719
Particles >6µm		ASTM D7647	>1300		1 0784	▲ 5326
Particles >14µm		ASTM D7647	>80		▲ 359	1 56
Particles >21µm		ASTM D7647	>20		A 27	<u> </u>
Particles >38µm		ASTM D7647	>4		0	0
Particles >71µm		ASTM D7647	>3		0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13		A 22/21/16	2 0/14
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.29	0.33	0.251
:13:37) Rev: 1					on: Service Mana	

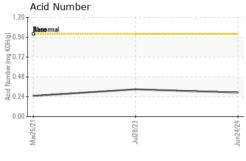
Report Id: DANMAT [WUSCAR] 06221225 (Generated: 06/27/2024 17:13:37) Rev: 1

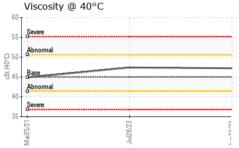
Contact/Location: Service Manager - DANMAT



OIL ANALYSIS REPORT

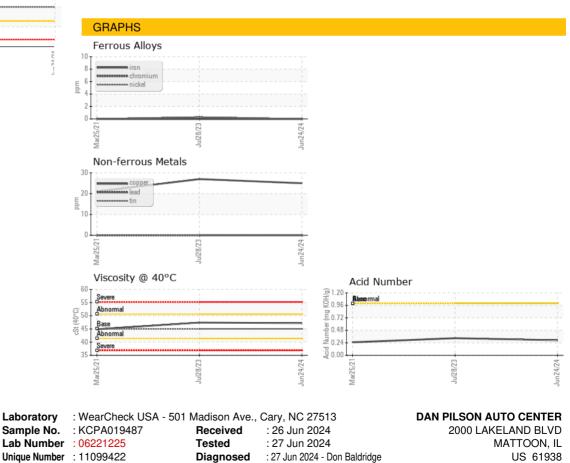






VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE		NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	0.2%	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	45	47.2	47.4	44.9
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Color				A		

Bottom





 Centificate L2367
 Test Package
 : IND 2 (Additional Tests: KF, PrtCount)
 Comparison

 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: DANMAT [WUSCAR] 06221225 (Generated: 06/27/2024 17:13:37) Rev: 1

Contact/Location: Service Manager - DANMAT

T:

F:

Contact: Service Manager