

OIL ANALYSIS REPO

SAMPLE INFORM

Sample Rating Trend



history2

KAESER AS 20T 4444102 (S/N 1034)

Compressor

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

DIAGNOSIS

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 high amount of particulates present in the oil.

Fluid Condition

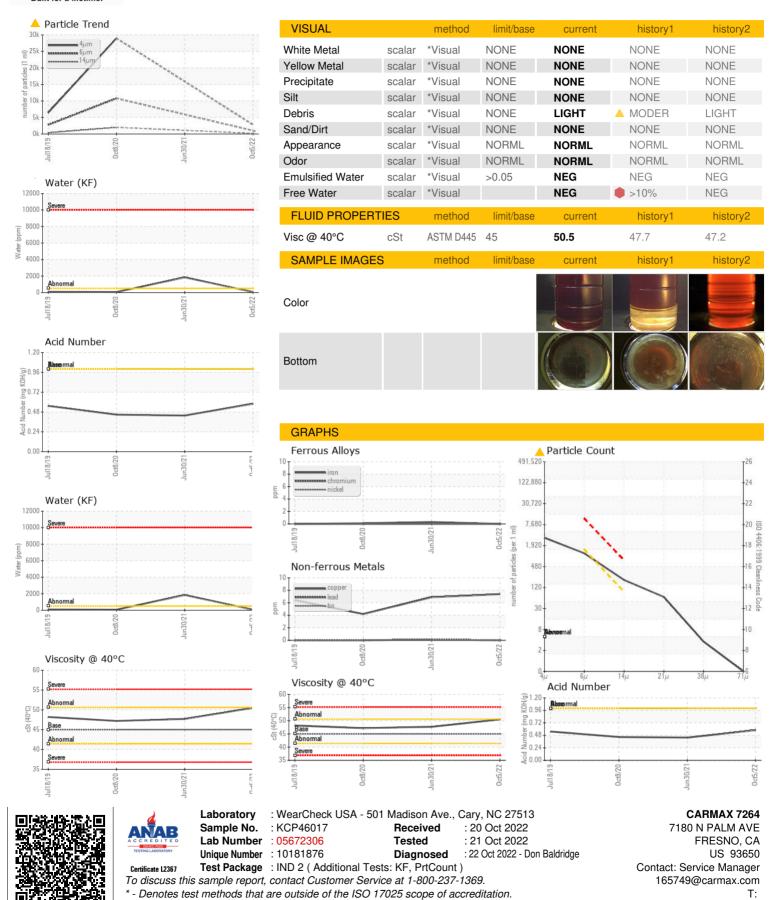
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

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	Jul2019	0ct 2 020	Jun 2021	0ct2022
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RT				

Sample Number		Client Info		KCP46017	KCP33591	KCP31772
Sample Date		Client Info		05 Oct 2022	30 Jun 2021	08 Oct 2020
Machine Age	hrs	Client Info		6952	77000	70898
Oil Age	hrs	Client Info		3000	3000	2587
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	SEVERE	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	<1	<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	<1	<1
Aluminum	ppm	ASTM D5185m	>10	0	2	<1
Lead	ppm	ASTM D5185m	>10	0	<1	0
Copper	ppm	ASTM D5185m	>50	7	7	4
Tin	ppm	ASTM D5185m	>10	0	0	0
Antimony	ppm	ASTM D5185m			<1	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	<1	12
Barium	ppm	ASTM D5185m	90	1	<1	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	100	<1	0	1
Calcium	ppm	ASTM D5185m	0	0	<1	<1
Phosphorus	ppm	ASTM D5185m	0	6	8	2
Zinc	ppm	ASTM D5185m	0	0	0	14
Sulfur	ppm	ASTM D5185m	23500	14217	15769	16161
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	1	1
Sodium	ppm	ASTM D5185m		0	0	2
Potassium	ppm	ASTM D5185m	>20	<1	<1	0
Water	%	ASTM D6304	>0.05	0.007	△ 0.184	0.006
ppm Water	ppm	ASTM D6304	>500	71.8	<u>▲</u> 1840	65.7
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		2807		28972
Particles >6µm		ASTM D7647	>1300	1009		▲ 10799
Particles >14μm		ASTM D7647	>80	<u> </u>		<u> </u>
Particles >21µm		ASTM D7647	>20	<u> </u>		▲ 867
Particles >38µm		ASTM D7647	>4	3		4 9
Particles >71µm		ASTM D7647	>3	0		2
Oil Cleanliness		ISO 4406 (c)	>/17/13	1 9/17/15		△ 21/18
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.58	0.437	0.448



OIL ANALYSIS REPORT



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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