

OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



KAESER 5027854

Component

Compressor

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

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

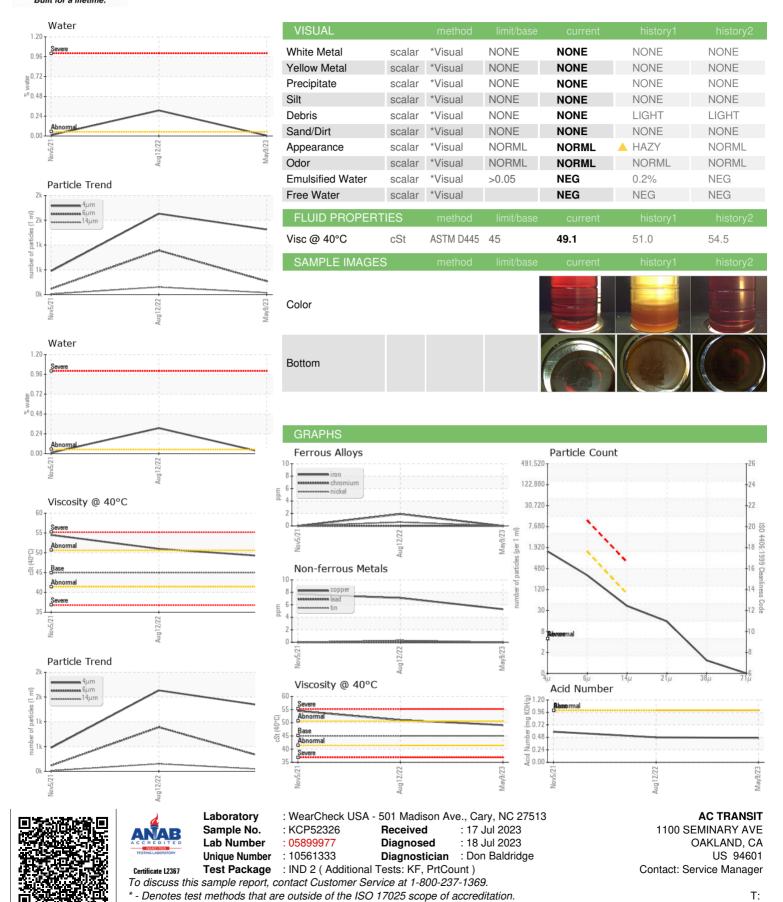
Fluid Condition

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

		Nov2021		Aug2022 May2023		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCP52326	KCP50601	KCP43273
Sample Date		Client Info		09 May 2023	12 Aug 2022	05 Nov 2021
Machine Age	hrs	Client Info		75054	68577	61894
Oil Age	hrs	Client Info		3000	68577	4800
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	2	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	0	0
Aluminum	ppm	ASTM D5185m	>10	0	0	0
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m	>50	5	7	8
Tin	ppm	ASTM D5185m	>10	0	<1	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	<1	<1
Barium	ppm	ASTM D5185m	90	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m	100	0	1	3
Calcium	ppm	ASTM D5185m	0	0	0	0
Phosphorus	ppm	ASTM D5185m	0	2	2	0
Zinc	ppm	ASTM D5185m	0	0	<1	0
Sulfur	ppm	ASTM D5185m	23500	23370	16006	12203
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	1	1
Sodium	ppm	ASTM D5185m		<1	<1	1
Potassium	ppm	ASTM D5185m	>20	<1	0	0
Water	%	ASTM D6304	>0.05	0.005	△ 0.310	0.011
ppm Water	ppm	ASTM D6304	>500	54.3	△ 3100	115.2
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		1314	1633	475
Particles >6µm		ASTM D7647	>1300	270	890	117
Particles >14μm		ASTM D7647	>80	36	<u>▲</u> 151	12
Particles >21µm		ASTM D7647	>20	13	<u>▲</u> 51	4
Particles >38µm		ASTM D7647	>4	1	<u></u> 8	0
Particles >71µm		ASTM D7647	>3	0	1	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	18/15/12	<u> </u>	14/11
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
A 1151 1 (A51)	1/011/	4.0TI.4.D.00.4E	4.0	-	0.40	0.000



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

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