

OIL ANALYSIS REPORT

Sample Rating Trend



KAESER AIRTOWER 7.5C 6693916 (S/N 1925)

Compressor

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination 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		KCP53361	KCP41517	KCP20267
Sample Date		Client Info		30 Nov 2022	28 Jul 2021	03 Dec 2019
Machine Age	hrs	Client Info		4905	3735	1453
Oil Age	hrs	Client Info		1170	2300	1452
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	1	2
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>3	<1	1	<1
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	<1	0
Aluminum	ppm	ASTM D5185m	>10	<1	0	1
Lead	ppm	ASTM D5185m	>10	0	<1	2
Copper	ppm		>50	14	28	17
Tin	ppm	ASTM D5185m	>10	<1	<1	<1
Antimony	ppm	ASTM D5185m			0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
	ppm					
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	<1	<1
Barium	ppm	ASTM D5185m	90	0	0	<1
Molybdenum	ppm	ASTM D5185m	0	0	0	1
Manganese	ppm	ASTM D5185m		<1	<1	1
Magnesium	ppm	ASTM D5185m	100	16	7	36
Calcium	ppm	ASTM D5185m	0	0	0	<1
Phosphorus	ppm	ASTM D5185m	0	38	4	2
Zinc	ppm	ASTM D5185m	0	28	2	12
Sulfur	ppm	ASTM D5185m	23500	22242	16314	3978
CONTAMINANTS	\$	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	3
Sodium	ppm	ASTM D5185m		7	<1	16
Potassium	ppm	ASTM D5185m	>20	0	<1	3
Water	%	ASTM D6304	>0.05	0.010	▲ 0.388	0.028
ppm Water	ppm	ASTM D6304	>500	106.9	▲ 3880	288.0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		4182		64918
Particles >6µm		ASTM D7647	>1300	1267		15548
Particles >14µm		ASTM D7647	>80	52		A 723
Particles >21µm		ASTM D7647	>20	9		1 49
Particles >38µm		ASTM D7647	>4	1		1 2
Particles >71µm		ASTM D7647	>3	0		1
Oil Cleanliness		ISO 4406 (c)	>/17/13	19/17/13		▲ 21/17
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.32	0.290	0.336
6:00:00) Devi 1	0 - 0			Contract/l as		

Report Id: MARGREENNC [WUSCAR] 05710454 (Generated: 01/23/2024 06:28:39) Rev: 1

Contact/Location: PAUL ? - MARGREENNC



Water (KF)

12000

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scalar

scalar

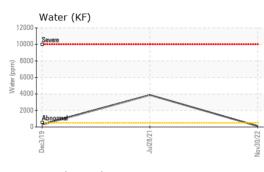
scalar

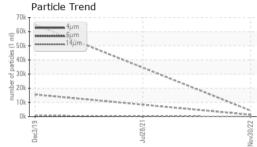
*Visual

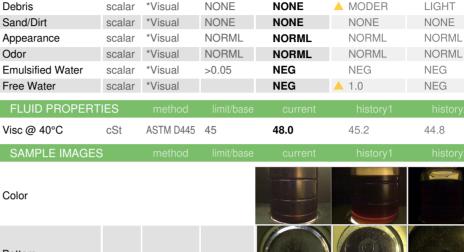
*Visual

*Visua

scalar *Visual







NONE

Bottom

Color

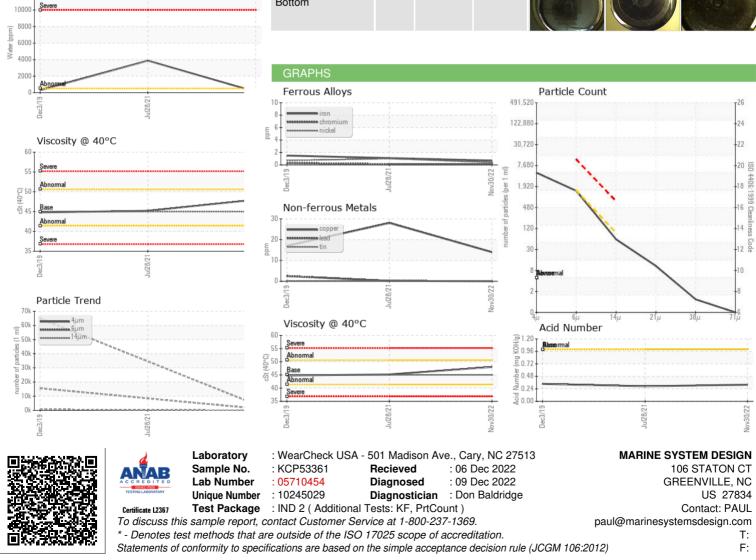
White Metal

Yellow Metal

Precipitate

Silt

Odor



Contact/Location: PAUL ? - MARGREENNC