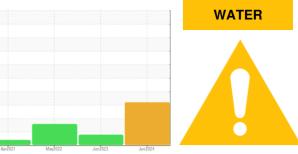


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

KAESER 5477352

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

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. We recommend an early resample in 500 hours to monitor this condition.

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates 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.

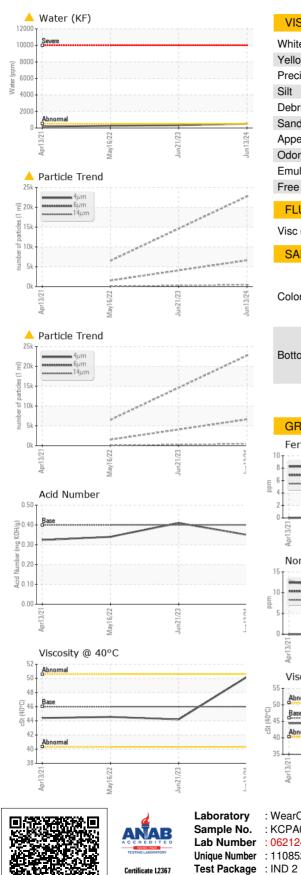
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA019052	KCPA003888	KCP51174
Sample Date		Client Info		13 Jun 2024	21 Jun 2023	16 May 2022
Machine Age	hrs	Client Info		18444	15871	12996
Oil Age	hrs	Client Info		4000	0	2791
Oil Changed		Client Info		Changed	N/A	Changed
Sample Status				ABNORMAL	ABNORMAL	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	<1
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>3	<1	0	0
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>10	0	2	<1
Lead	ppm	ASTM D5185m	>10	0	0	0
Copper	ppm	ASTM D5185m		4	3	8
Tin	ppm	ASTM D5185m	>10	0	0	<1
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
	ррш		11 11 11	-	-	-
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	<1
Barium	ppm	ASTM D5185m	90	0	8	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	90	29	53	23
Calcium	ppm	ASTM D5185m	2	0	0	0
Phosphorus	ppm	ASTM D5185m		2	<1	13
Zinc	ppm	ASTM D5185m		147	57	137
Sulfur	ppm	ASTM D5185m		20497	18907	15836
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	0	0
Sodium	ppm	ASTM D5185m		15	15	13
Potassium	ppm	ASTM D5185m	>20	3	3	3
Water	%	ASTM D6304	>0.05	<u> </u>	0.032	0.026
ppm Water	ppm	ASTM D6304	>500	6 512	327.1	267.8
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		22734		6515
Particles >6µm		ASTM D7647	>1300	<u> </u>		1 534
Particles >14µm		ASTM D7647	>80	<u> </u>		94
Particles >21µm		ASTM D7647	>20	<u> </u>		25
Particles >38µm		ASTM D7647	>4	4		2
Particles >71µm		ASTM D7647	>3	1		0
Oil Cleanliness		ISO 4406 (c)	>/17/13	22/20/16		20/18/14
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN) 5:29:49) Rev: 1	mg KOH/g	ASTM D8045	0.4	0.35 Contact/Locatio	0.41 on: JERRY BAS	0.34 S - UNIROCN

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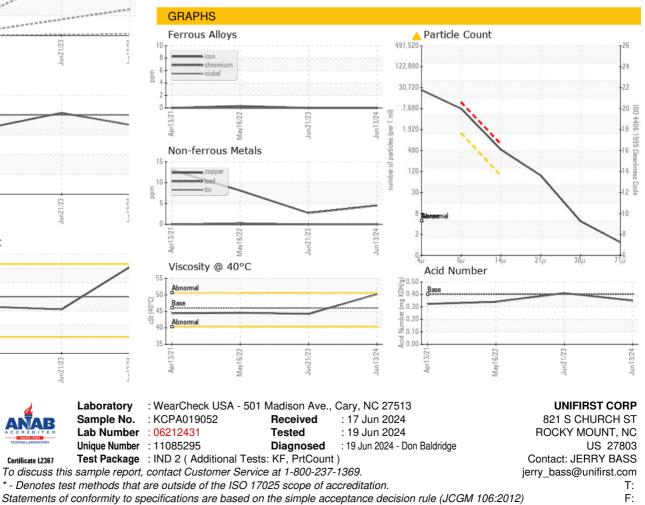
Contact/Location: JERRY BASS - UNIROCNC



OIL ANALYSIS REPORT



VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	🔺 MODER	NONE
Debris	scalar	*Visual	NONE	LIGHT	NONE	LIGHT
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	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	50.2	44.2	44.55
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						



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