

OIL ANALYSIS REPORT

SAMPLE INFORMATION

hrs

hre

Sample Number

Sample Date

Machine Age

Sample Rating Trend

NORMAL

Machine Ic KAESER CSD 60 2439820 (S/N 1019) Component

Compressor

KAESER SIGMA (OEM) S-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

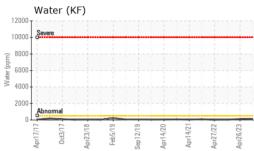
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

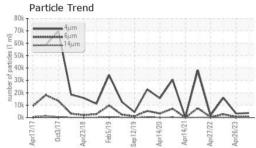
		Ap/020 Ap/021 Ap/022	Aµ2023	
method				history2
Client Info Client Info	2	C121075 3 Dec 2023	KC102028 26 Apr 2023	KC96620 25 Oct 2022
Client Info	5	4474	50682	46764
Client Info	0		7000	3000

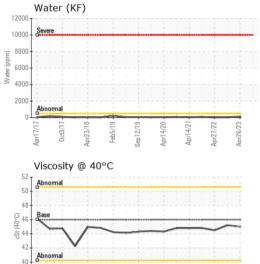
Oil Age	hrs	Client Info		0	7000	3000
Oil Changed		Client Info		N/A	Changed	Not Changd
Sample Status				NORMAL	NORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	0
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>10	0	0	<1
Lead	ppm	ASTM D5185m	>10	0	0	<1
Copper	ppm	ASTM D5185m	>50	11	10	11
Tin	ppm	ASTM D5185m	>10	0	0	<1
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
Barium	ppm	ASTM D5185m	90	0	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	<1
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	90	0	<1	<1
Calcium	ppm	ASTM D5185m	2	0	0	0
Phosphorus	ppm	ASTM D5185m		0	0	3
Zinc	ppm	ASTM D5185m		0	0	0
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	0	<1
Sodium	ppm	ASTM D5185m		<1	<1	0
Potassium	ppm	ASTM D5185m	>20	0	<1	1
Water	%	ASTM D6304	>0.05	0.008	0.012	0.004
ppm Water	ppm	ASTM D6304	>500	87	120.5	43.5
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		3675	3209	16015
Particles >6µm		ASTM D7647	>1300	822	558	A 2697
Particles >14µm		ASTM D7647	>80	77	36	1 91
Particles >21µm		ASTM D7647		23	15	<mark>▲</mark> 57
Particles >38µm		ASTM D7647	>4	1	1	4
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	19/17/13	19/16/12	A 21/19/15
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.42	0.49	0.34



OIL ANALYSIS REPORT







Sep12/19

eb5/19

38

80

70

sajotred 40k

2 30k

20

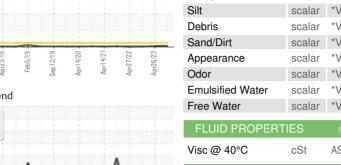
10

0

E

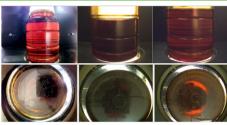
(m) 60 Apr17/1

Particle Trend

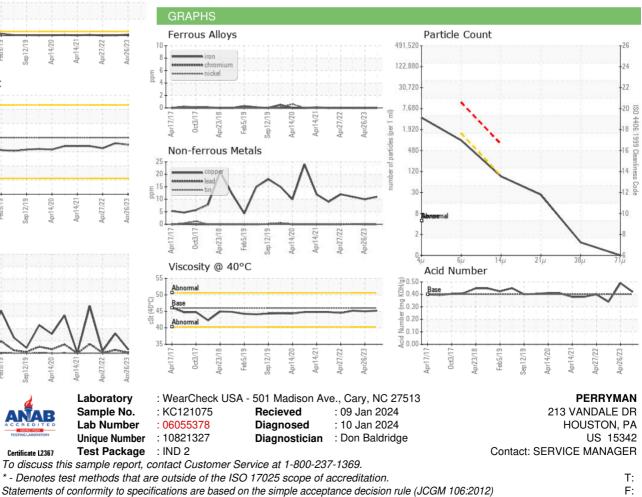


White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	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 historv1 historv2						
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	45.2	45.0	45.2
SAMPLE IMAGES	3	method	limit/base	current	history1	history2

Color



Bottom



Contact/Location: SERVICE MANAGER - PERHOU