

Machine Id

OIL ANALYSIS REPORT





history2

history1

current

limit/base

Machine Id 6996437 (S/N 1009) Component Compressor Fluid KAESER SIGMA (OEM) M-460 (GAL)			Aydozo
DIAGNOSIS	SAMPLE INFORM	ATION	method
Recommendation	Sample Number		Client Info
The filter change at the time of sampling has been	Sample Date		Client Info
noted. We advise that you stop the unit and follow the water drain-off procedure for this component.	Machine Age	hrs	Client Info
We recommend an early resample in 500 hours to	Oil Age	hrs	Client Info
monitor this condition.	Oil Changed		Client Info
Wear	Sample Status		
All component wear rates are normal.	WEAR METALS		method
Contamination	Iron	ppm	ASTM D5185m
There is a light concentration of water present in the	Chromium	ppm	ASTM D5185m
oil. The amount and size of particulates present in the system are acceptable.	Nickel	ppm	ASTM D5185m
, ,	Titanium	ppm	ASTM D5185m
Fluid Condition	Silver	ppm	ASTM D5185m
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Aluminum	ppm	ASTM D5185m
	Lead	ppm	ASTM D5185m
	Copper	ppm	ASTM D5185m
	Tin	ppm	ASTM D5185m
	Antimony	ppm	ASTM D5185m
	Vanadium	ppm	ASTM D5185m

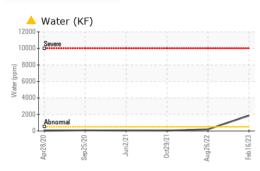
Sample Number		Client Info		KCP49198	KCP40680	KCP39873
Sample Date		Client Info		16 Feb 2023	26 Aug 2022	29 Oct 2021
Machine Age	hrs	Client Info		27118	22968	15924
Oil Age	hrs	Client Info		4150	4536	6061
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				ABNORMAL	NORMAL	ABNORMAL
	_				-	-
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	<1	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	0
Aluminum	ppm	ASTM D5185m	>10	<1	2	7
Lead	ppm	ASTM D5185m	>10	<1	0	0
Copper	ppm	ASTM D5185m	>50	11	19	6
Tin	ppm	ASTM D5185m	>10	0	<1	<1
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
	ppiii					
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m	90	2	1	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	100	1	0	0
Calcium	ppm	ASTM D5185m	0	0	0	0
Phosphorus	ppm	ASTM D5185m	0	9	4	2
Zinc	ppm	ASTM D5185m	0	15	2	0
Sulfur	ppm	ASTM D5185m	23500	18290	18243	17316
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	1	<1	0
Sodium	ppm	ASTM D5185m		0	<1	<1
Potassium	ppm		>20	1	0	0
Water	%	ASTM D6304		0.186	0.020	0.004
ppm Water	ppm	ASTM D6304	>500	1860	203.5	44.1
FLUID CLEANLIN		method	limit/base	current	history1	history2
	1200		- infliv base			113(01)2
Particles >4µm		ASTM D7647	. 1000	5518	2271	
Particles >6µm		ASTM D7647		786	432	
Particles >14µm		ASTM D7647	>80	31	13	
Particles >21µm		ASTM D7647		7	2	
Particles >38µm		ASTM D7647	>4	1	0	
Particles >71µm		ASTM D7647		0	0	
Oil Cleanliness		ISO 4406 (c)	>/17/13	20/17/12	18/16/11	
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.49	0.54	0.478
:15:50) Pov: 1				Contact/Location: CHPIS BALLANI KAPERA		

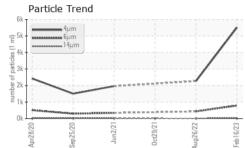
Report Id: KARFRA [WUSCAR] 05778295 (Generated: 02/27/2024 11:15:50) Rev: 1

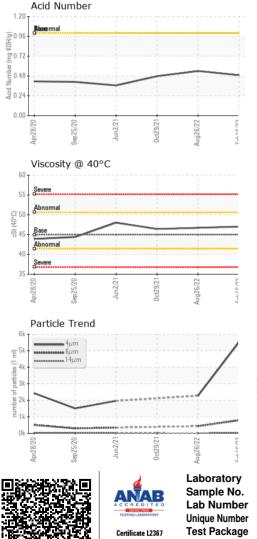
Contact/Location: CHRIS BALIAN - KARFRA



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	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	NONE	🔺 MODER
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	0.2%	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	TIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	45	47.0	46.7	46.4
SAMPLE IMAGE	S	method	limit/base	current	history1	history2
Color						

Bottom

