

# **OIL ANALYSIS REPORT**

KAESER SM 10 2809550 (S/N 1013)

Fluid KAESER SIGMA (OEM) M-460 (--- QTS)

Component Compressor

Machine Id

#### Recommendation

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

### Wear

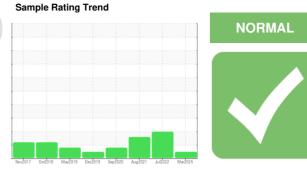
All component wear rates are normal.

## 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.



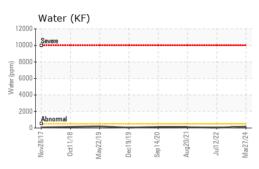
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		KCPA016816	KCP48489	KCP36049
Sample Date		Client Info		27 Mar 2024	12 Jul 2022	20 Aug 2021
Machine Age	hrs	Client Info		98605	91924	86779
Oil Age	hrs	Client Info		3000	3000	3000
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	0
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m		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	7	13	25
Tin	ppm	ASTM D5185m	>10	0	0	0
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1
	ррш		1' 't /l	-		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	20
Barium	ppm	ASTM D5185m	90	3	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	100	39	2	0
Calcium	ppm	ASTM D5185m	0	0	0	0
Phosphorus	ppm	ASTM D5185m	0	0	<1	4
Zinc	ppm	ASTM D5185m		33	28	17
Sulfur	ppm	ASTM D5185m	23500	22050	18099	17529
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	1	2
Sodium	ppm	ASTM D5185m		4	3	<1
Potassium	ppm	ASTM D5185m	>20	<1	0	0
Water	%	ASTM D6304	>0.05	0.016	0.004	0.009
ppm Water	ppm	ASTM D6304	>500	164	45.1	96.9
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		5138	13501	6311
Particles >6µm		ASTM D7647	>1300	1089	<u> </u>	<b>A</b> 2388
Particles >14µm		ASTM D7647	>80	69	<b>2</b> 94	<b>A</b> 303
Particles >21µm		ASTM D7647	>20	21	<u> </u>	<u>▲</u> 72
Particles >38µm		ASTM D7647	>4	0	<b>1</b> 1	<b>5</b>
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/17/13	20/17/13	<b>1</b> 21/19/15	▲ 18/15
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.42	0.38	0.364

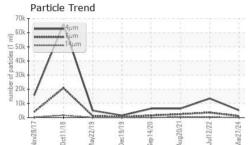
Report Id: OLDFORTX [WUSCAR] 06144269 (Generated: 04/12/2024 06:10:30) Rev: 1

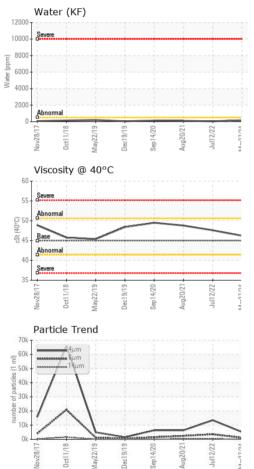
Contact/Location: Service Manager - OLDFORTX



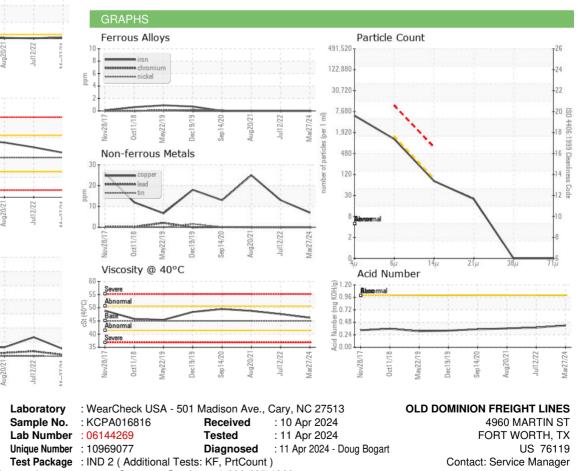
**OIL ANALYSIS REPORT** 







VISUAL		method				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	NONE	LIGHT	NONE
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 PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	45	46.2	47.6	48.8
SAMPLE IMAGES	\$	method	limit/base	current	history1	history2
Color						
Bottom						



To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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Certificate 12367

Contact/Location: Service Manager - OLDFORTX

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