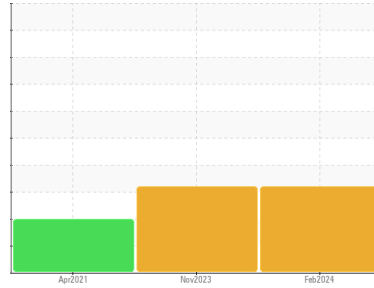




# OIL ANALYSIS REPORT

Sample Rating Trend



**WATER**



Machine Id  
**6962075 (S/N 1084)**

Component  
**Compressor**  
Fluid  
**KAESER SIGMA (OEM) M-460 (--- GAL)**

## DIAGNOSIS

### Recommendation

There is too much water present in this sample to perform a particle count. We advise that you stop the unit and follow the water drain-off procedure for this component. We recommend an early resample in 500 hours to monitor this condition.

### Wear

All component wear rates are normal.

### Contamination

There is a moderate concentration of water present in the oil. Excessive free water present.

### Fluid Condition

The AN level is acceptable for this fluid.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>KCPA011941</b>	KCPA007683	KCP37485
Sample Date	Client Info			<b>15 Feb 2024</b>	14 Nov 2023	15 Apr 2021
Machine Age	hrs	Client Info		<b>20841</b>	19244	6434
Oil Age	hrs	Client Info		<b>0</b>	0	6434
Oil Changed	Client Info			<b>N/A</b>	N/A	N/A
Sample Status				<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<b>0</b>	<1	4
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Nickel	ppm	ASTM D5185m	>3	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185m	>3	<b>0</b>	<1	0
Silver	ppm	ASTM D5185m	>2	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>10	<b>2</b>	2	3
Lead	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m	>50	<b>2</b>	10	14
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	<1
Antimony	ppm	ASTM D5185m		<b>---</b>	---	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	<1	0

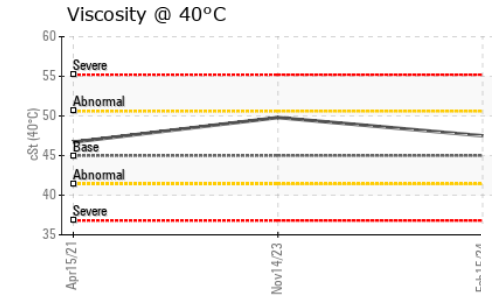
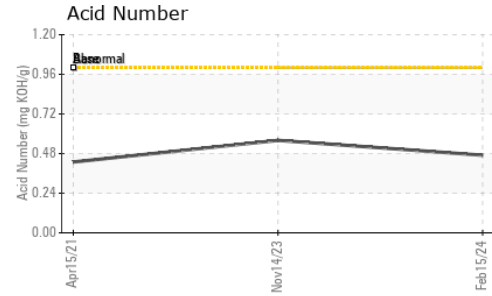
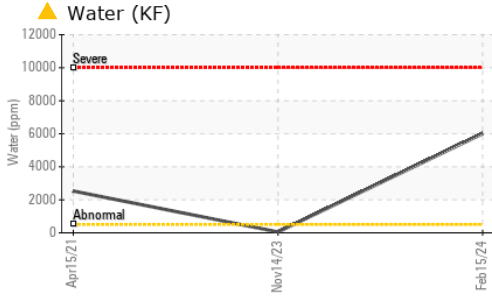
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	<b>0</b>	0	11
Barium	ppm	ASTM D5185m	90	<b>4</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	<1	0
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Magnesium	ppm	ASTM D5185m	100	<b>41</b>	<1	0
Calcium	ppm	ASTM D5185m	0	<b>5</b>	<1	0
Phosphorus	ppm	ASTM D5185m	0	<b>3</b>	0	7
Zinc	ppm	ASTM D5185m	0	<b>28</b>	2	22
Sulfur	ppm	ASTM D5185m	23500	<b>18562</b>	20309	18470

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<b>4</b>	▲ 27	6
Sodium	ppm	ASTM D5185m		<b>3</b>	0	0
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	1	<1
Water	%	ASTM D6304	>0.05	▲ <b>0.601</b>	0.005	▲ 0.253
ppm Water	ppm	ASTM D6304	>500	▲ <b>6010</b>	50	▲ 2530

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		<b>---</b>	29123	---
Particles >6µm		ASTM D7647	>1300	<b>---</b>	▲ 8873	---
Particles >14µm		ASTM D7647	>80	<b>---</b>	▲ 556	---
Particles >21µm		ASTM D7647	>20	<b>---</b>	▲ 84	---
Particles >38µm		ASTM D7647	>4	<b>---</b>	1	---
Particles >71µm		ASTM D7647	>3	<b>---</b>	0	---
Oil Cleanliness		ISO 4406 (c)	>--/17/13	<b>---</b>	▲ 22/20/16	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	<b>0.47</b>	0.56	0.429

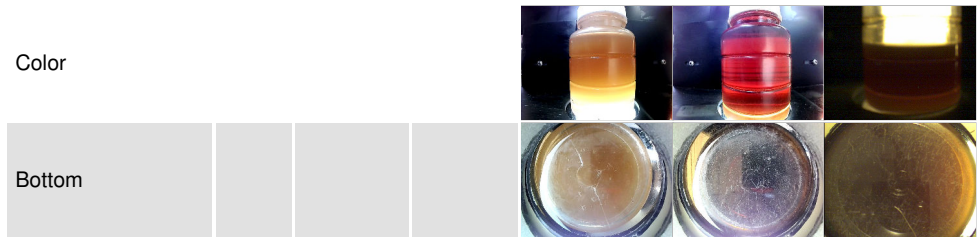
# OIL ANALYSIS REPORT



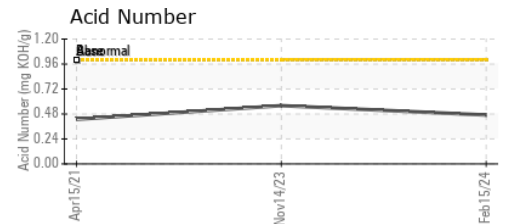
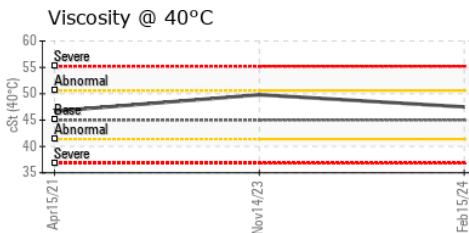
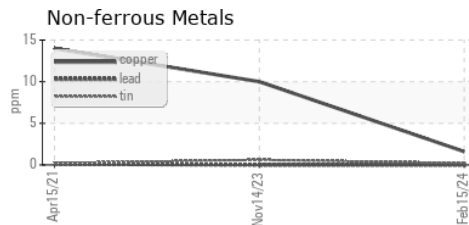
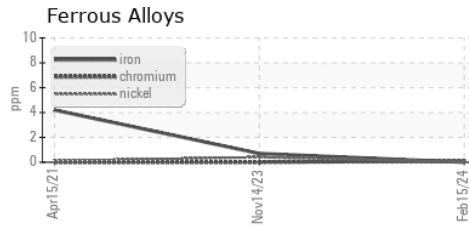
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	▲ MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	▲ 0.2%	▲ 0.2%
Free Water	scalar	*Visual		▲ >10%	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 45	47.5	49.8	46.7

SAMPLE IMAGES	method	limit/base	current	history1	history2
---------------	--------	------------	---------	----------	----------



## GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : KCPA011941 **Received** : 22 Feb 2024  
**Lab Number** : 06097696 **Tested** : 25 Feb 2024  
**Unique Number** : 10890549 **Diagnosed** : 25 Feb 2024 - Don Baldrige  
**Test Package** : IND 2 ( Additional Tests: KF, PrtCount )

**PACIFIC COAST BUILDING PRODUCTS - BASALITE**  
 11888 W LINNE RD  
 TRACY, CA  
 US 95377  
 Contact: PHIL CERVANTES  
 phil.cervantes@basalite.com

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)

T:  
F: