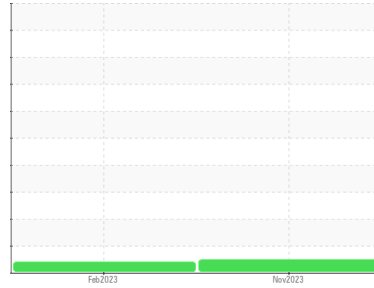




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
KAESER BSD40 101282.0 (S/N 1020)

Component
Rotary Compressor

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

DIAGNOSIS

Recommendation

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.

Fluid Condition

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0854629	WC0766259	---
Sample Date	Client Info		08 Nov 2023	07 Feb 2023	---
Machine Age	hrs	Client Info	39653	36073	---
Oil Age	hrs	Client Info	6867	3287	---
Oil Changed	Client Info		Not Changed	N/A	---
Sample Status			NORMAL	ABNORMAL	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.6	NEG	NEG	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >70	0	<1	---
Chromium	ppm	ASTM D5185m >10	0	<1	---
Nickel	ppm	ASTM D5185m >3	2	<1	---
Titanium	ppm	ASTM D5185m >3	0	0	---
Silver	ppm	ASTM D5185m >2	0	<1	---
Aluminum	ppm	ASTM D5185m >3	<1	<1	---
Lead	ppm	ASTM D5185m >4	0	0	---
Copper	ppm	ASTM D5185m >20	16	7	---
Tin	ppm	ASTM D5185m >3	0	<1	---
Vanadium	ppm	ASTM D5185m	0	0	---
Cadmium	ppm	ASTM D5185m	0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	---
Barium	ppm	ASTM D5185m 90	0	10	---
Molybdenum	ppm	ASTM D5185m	0	0	---
Manganese	ppm	ASTM D5185m	<1	<1	---
Magnesium	ppm	ASTM D5185m 90	13	46	---
Calcium	ppm	ASTM D5185m 2	1	1	---
Phosphorus	ppm	ASTM D5185m	2	3	---
Zinc	ppm	ASTM D5185m	17	15	---
Sulfur	ppm	ASTM D5185m	18472	18209	---

CONTAMINANTS

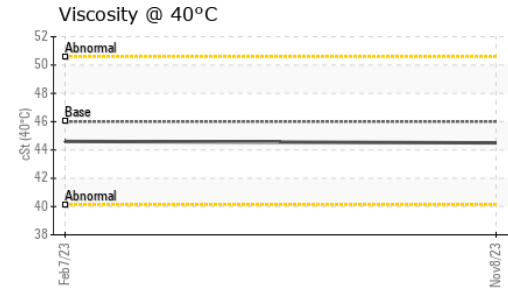
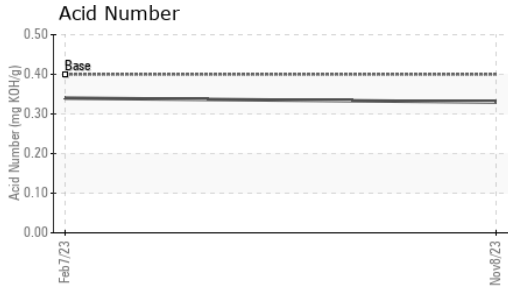
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >45	0	0	---
Sodium	ppm	ASTM D5185m	7	19	---
Potassium	ppm	ASTM D5185m >20	2	4	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.4	0.33	0.34	---



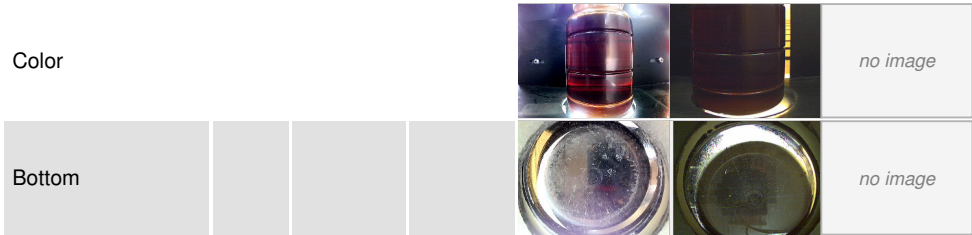
OIL ANALYSIS REPORT



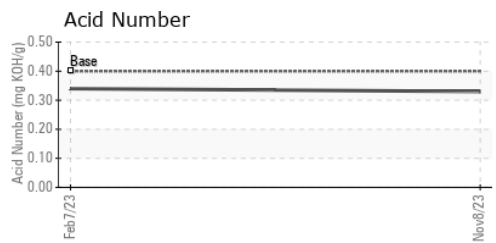
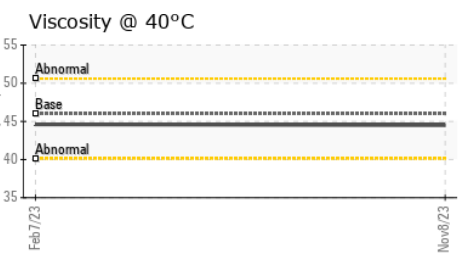
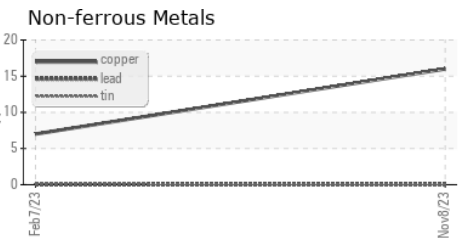
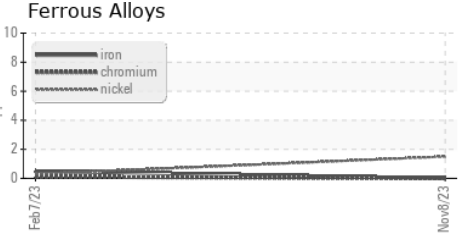
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	LIGHT	▲ MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.6	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	44.5	44.6

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0854629 **Received** : 20 Nov 2023
Lab Number : 06012520 **Diagnosed** : 22 Nov 2023
Unique Number : 10751664 **Diagnostician** : Don Baldrige
Test Package : IND 2

ELEVATED INDUSTRIAL SOLUTIONS
 120 LAWTON AVE.
 MONROE, OH
 US 45050
 Contact: ROBIN PRICHARD
 r.prichard@compressedairtechnologies.com
 T: (513)539-5155
 F:

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)