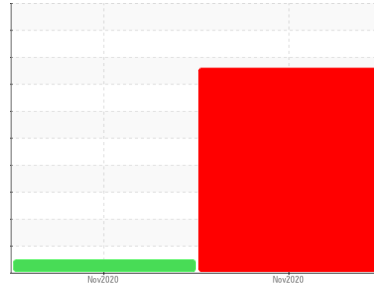




PROBLEM SUMMARY

Area
[20-1974]
 Machine Id
KAESER 7003210 - BIG O DODGE (S/N 1464)
 Component
Compressor
 Fluid
KAESER SIGMA (OEM) S-460 (2 GAL)

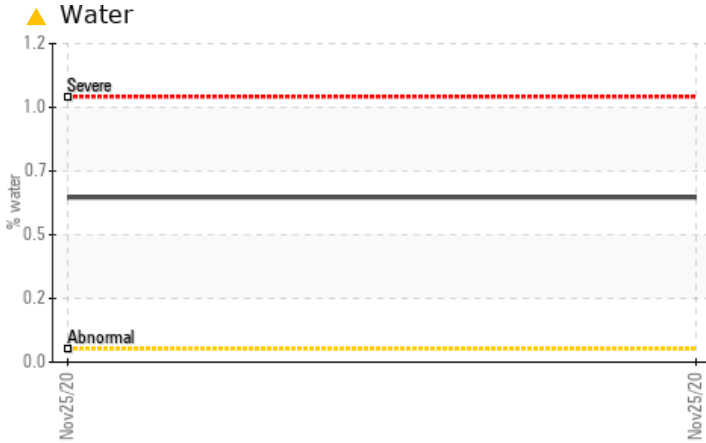
Sample Rating Trend



WATER



COMPONENT CONDITION SUMMARY



RECOMMENDATION

We advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	NORMAL	---
Water	%	ASTM D6304	>0.05	▲ 0.621	---	---
ppm Water	ppm	ASTM D6304	>500	▲ 6210	---	---
Debris	scalar	*Visual	NONE	▲ MODER	LIGHT	---
Appearance	scalar	*Visual	NORML	▲ HAZY	NORML	---
Free Water	scalar	*Visual		● 1.0	NEG	---

Customer Id: PALFOU
 Sample No.: WC0460510
 Lab Number: 05128846
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Jonathan Hester +1 919-379-4092 x4092
jhester@wearcheckusa.com

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Water Drain-off	MISSED	Dec 21 2020	?	We advise that you follow the water drain-off procedure for this component.
Resample	MISSED	Dec 21 2020	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

24 Nov 2020 Diag: Jonathan Hester

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report





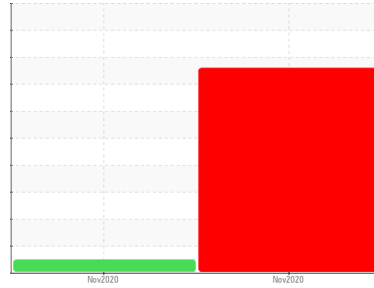
OIL ANALYSIS REPORT

Sample Rating Trend

WATER



Area
[20-1974]
 Machine Id
KAESER 7003210 - BIG O DODGE (S/N 1464)
 Component
Compressor
 Fluid
KAESER SIGMA (OEM) S-460 (2 GAL)



DIAGNOSIS

Recommendation

We advise that you follow the water drain-off procedure for this component. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

Appearance is hazy. Free water present. There is a moderate concentration of water present in the oil. Moderate concentration of visible dirt/debris present 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	history 1	history 2
Sample Number	Client Info		WC0460510	WC0460578	---
Sample Date	Client Info		25 Nov 2020	24 Nov 2020	---
Machine Age	hrs	Client Info	5180	5180	---
Oil Age	hrs	Client Info	1347	1347	---
Oil Changed	Client Info		Not Chngd	Not Chngd	---
Sample Status			SEVERE	NORMAL	---

WEAR METALS

	method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m >50	0	0	---
Chromium	ppm	ASTM D5185m >10	0	0	---
Nickel	ppm	ASTM D5185m >3	0	0	---
Titanium	ppm	ASTM D5185m >3	0	0	---
Silver	ppm	ASTM D5185m >2	<1	<1	---
Aluminum	ppm	ASTM D5185m >10	0	0	---
Lead	ppm	ASTM D5185m >10	<1	<1	---
Copper	ppm	ASTM D5185m >50	3	1	---
Tin	ppm	ASTM D5185m >10	0	0	---
Antimony	ppm	ASTM D5185m	0	0	---
Vanadium	ppm	ASTM D5185m	0	0	---
Cadmium	ppm	ASTM D5185m	<1	0	---

ADDITIVES

	method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m	1	<1	---
Barium	ppm	ASTM D5185m 90	4	5	---
Molybdenum	ppm	ASTM D5185m	0	0	---
Manganese	ppm	ASTM D5185m	<1	<1	---
Magnesium	ppm	ASTM D5185m 90	57	75	---
Calcium	ppm	ASTM D5185m 2	0	0	---
Phosphorus	ppm	ASTM D5185m	2	2	---
Zinc	ppm	ASTM D5185m	0	0	---
Sulfur	ppm	ASTM D5185m	17859	18151	---

CONTAMINANTS

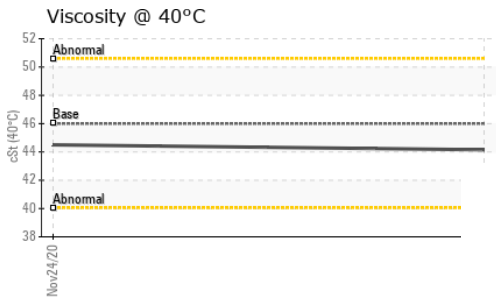
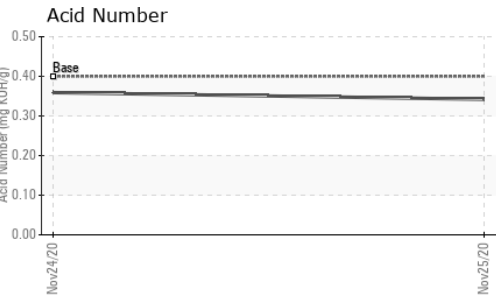
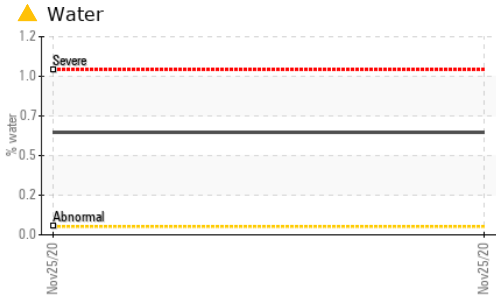
	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m >25	0	0	---
Sodium	ppm	ASTM D5185m	4	14	---
Potassium	ppm	ASTM D5185m >20	2	4	---
Water	%	ASTM D6304 >0.05	▲ 0.621	---	---
ppm Water	ppm	ASTM D6304 >500	▲ 6210	---	---

FLUID DEGRADATION

	method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.4	0.342	0.359	---



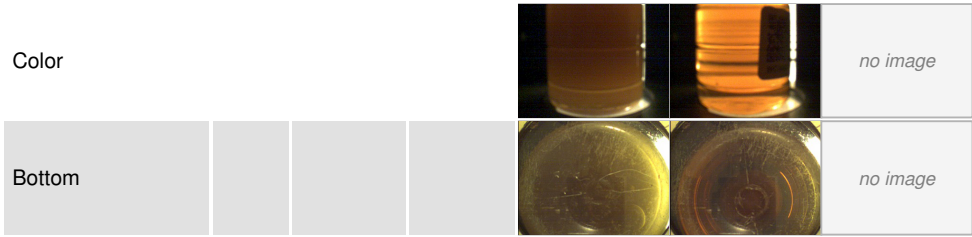
OIL ANALYSIS REPORT



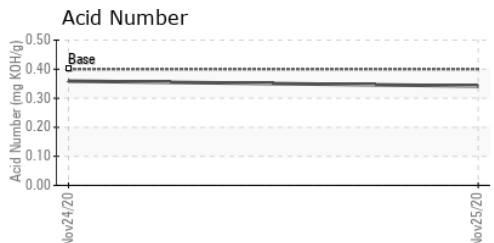
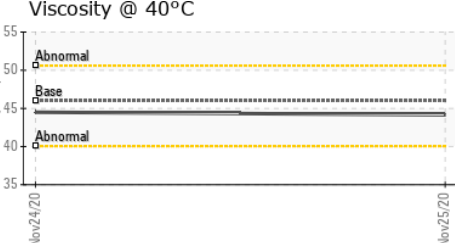
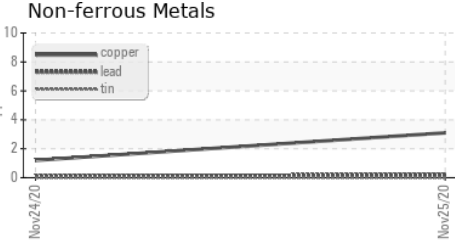
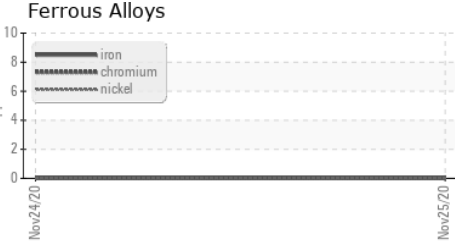
VISUAL	method	limit/base	current	history 1	history 2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	▲ MODER	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	▲ HAZY	NORML
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.05	0.2%	NEG
Free Water	scalar	*Visual		◆ 1.0	NEG

FLUID PROPERTIES	method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D445	46	44.15	44.5

SAMPLE IMAGES	method	limit/base	current	history 1	history 2
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GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0460510 **Received** : 03 Dec 2020
Lab Number : 05128846 **Diagnosed** : 07 Dec 2020
Unique Number : 9274115 **Diagnostician** : Jonathan Hester
Test Package : IND 2 (Additional Tests: KF)

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 FOUNTAIN INN, SC
 US 29644
 Contact: DARRIN WARD
 dward@elevatedindustrial.com
 T:
 F: (864)862-7653

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)