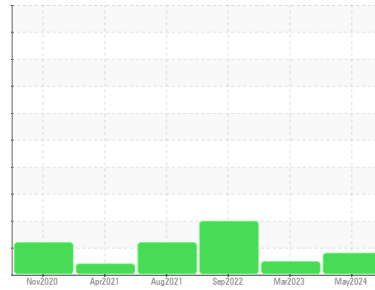




# OIL ANALYSIS REPORT

## Sample Rating Trend



ISO



Machine Id

**KAESER SX 7.5 7359285 (S/N 1192)**

Component

**Compressor**

Fluid

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

### DIAGNOSIS

#### 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 a moderate amount of particulates 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	history1	history2
Sample Number	Client Info		<b>KC129413</b>	KC111336	KC106510
Sample Date	Client Info		<b>22 May 2024</b>	21 Mar 2023	20 Sep 2022
Machine Age	hrs	Client Info	<b>32057</b>	24285	19929
Oil Age	hrs	Client Info	<b>3927</b>	7357	3000
Oil Changed	Client Info		<b>Changed</b>	Changed	Not Changed
Sample Status			<b>ATTENTION</b>	NORMAL	ABNORMAL

### WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	<1	0	<1
Chromium	ppm	ASTM D5185m >10	<1	0	0
Nickel	ppm	ASTM D5185m >3	0	0	0
Titanium	ppm	ASTM D5185m >3	<1	0	0
Silver	ppm	ASTM D5185m >2	0	0	0
Aluminum	ppm	ASTM D5185m >10	1	0	0
Lead	ppm	ASTM D5185m >10	0	0	0
Copper	ppm	ASTM D5185m >50	6	4	4
Tin	ppm	ASTM D5185m >10	<1	0	0
Antimony	ppm	ASTM D5185m	---	---	---
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	<1	0	0

### ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0
Barium	ppm	ASTM D5185m 90	16	7	6
Molybdenum	ppm	ASTM D5185m	0	0	0
Manganese	ppm	ASTM D5185m	0	0	0
Magnesium	ppm	ASTM D5185m 90	18	16	30
Calcium	ppm	ASTM D5185m 2	0	0	<1
Phosphorus	ppm	ASTM D5185m	0	1	10
Zinc	ppm	ASTM D5185m	6	6	4

### CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	0	0	2
Sodium	ppm	ASTM D5185m	7	9	10
Potassium	ppm	ASTM D5185m >20	2	0	<1
Water	%	ASTM D6304 >0.05	<b>0.010</b>	0.014	0.015
ppm Water	ppm	ASTM D6304 >500	<b>108</b>	143.7	159.7

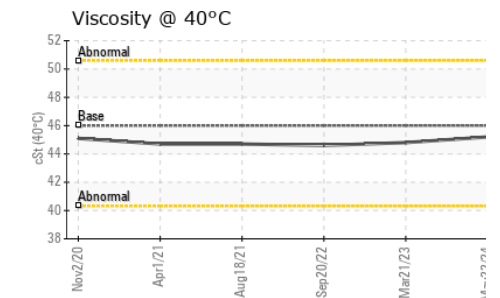
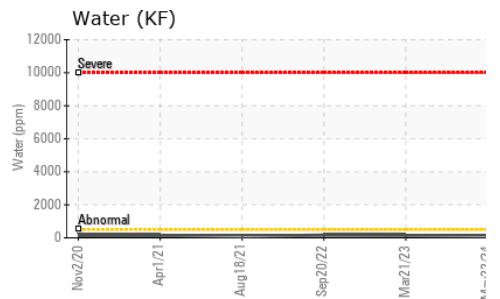
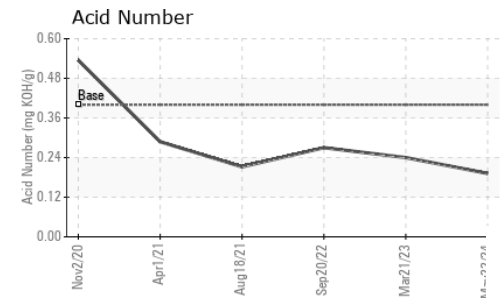
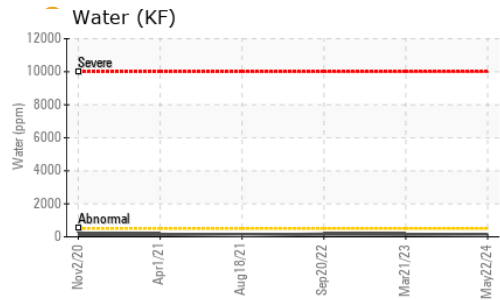
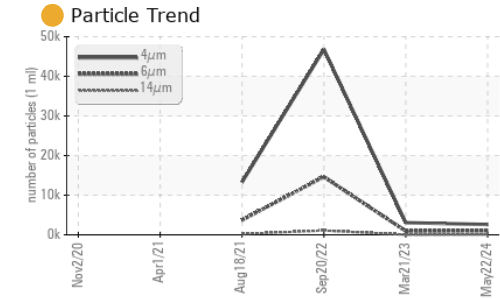
### FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647		<b>2610</b>	3063	46791
Particles >6µm	ASTM D7647 >1300		<b>1045</b>	939	▲ 14626
Particles >14µm	ASTM D7647 >80		● <b>85</b>	27	▲ 1081
Particles >21µm	ASTM D7647 >20		<b>18</b>	5	▲ 185
Particles >38µm	ASTM D7647 >4		<b>1</b>	0	▲ 9
Particles >71µm	ASTM D7647 >3		<b>0</b>	0	0
Oil Cleanliness	ISO 4406 (c)	>--/17/13	● <b>19/17/14</b>	19/17/12	▲ 23/21/17

### FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.4	<b>0.192</b>	0.24	0.27

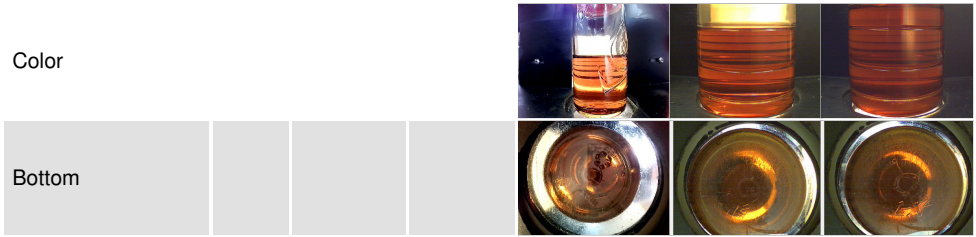
# OIL ANALYSIS REPORT



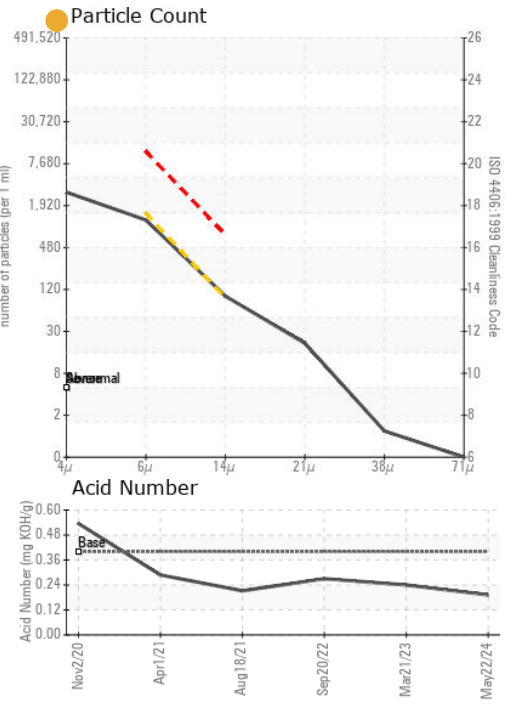
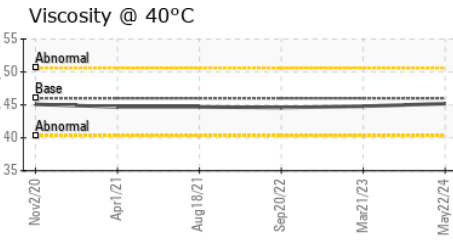
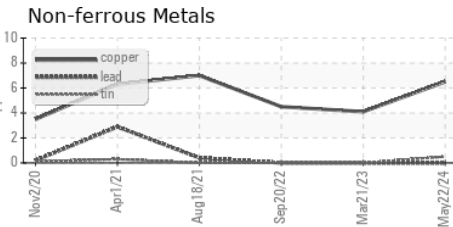
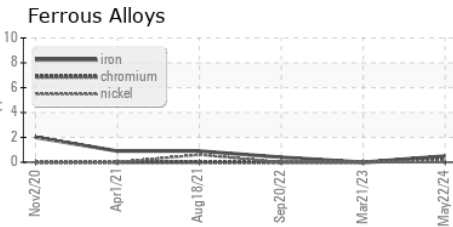
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	45.2	44.8

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



## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : KC129413  
**Lab Number** : 06198186  
**Unique Number** : 11060309  
**Test Package** : IND 2  
**Received** : 03 Jun 2024  
**Tested** : 05 Jun 2024  
**Diagnosed** : 05 Jun 2024 - Don Baldrige

**PHARMERICA**  
 350 MYLES STANDISH BLVD  
 TAUNTON, MA  
 US 02780  
 Contact: JAMES HARWOOD  
 james.harwood@pharmerica.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)