



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area  
**SAP-325801 - EUTICALS [2010520518]**

Machine Id  
**KAESER 1031 - EUTICALS**

Component  
**Compressor**

Fluid  
**KAESER SIGMA (OEM) S-460 (30 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		APC06177178	---	---
Sample Date		Client Info		29 Apr 2024	---	---
Machine Age	hrs	Client Info		51110	---	---
Oil Age	hrs	Client Info		4454	---	---
Filter Age	hrs	Client Info		2160	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	0	---	---
Chromium	ppm	ASTM D5185m	>10	0	---	---
Nickel	ppm	ASTM D5185m	>3	0	---	---
Titanium	ppm	ASTM D5185m	>3	0	---	---
Silver	ppm	ASTM D5185m	>2	0	---	---
Aluminum	ppm	ASTM D5185m	>10	0	---	---
Lead	ppm	ASTM D5185m	>10	0	---	---
Copper	ppm	ASTM D5185m	>50	10	---	---
Tin	ppm	ASTM D5185m	>10	<1	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

## CONTAMINATION

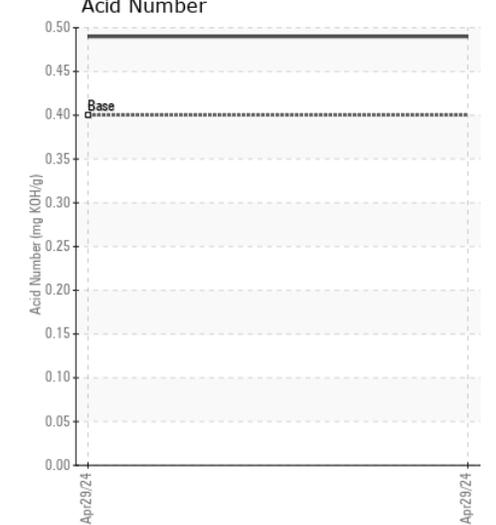
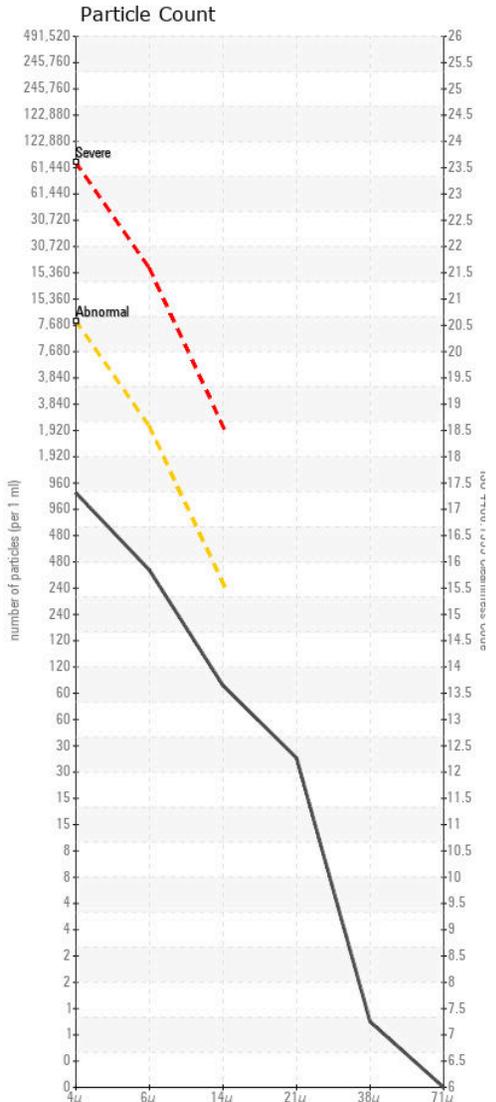
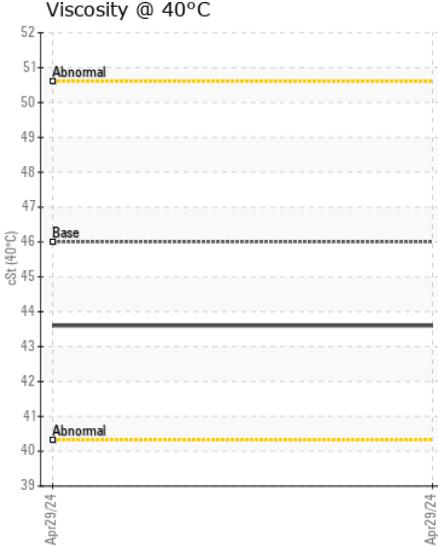
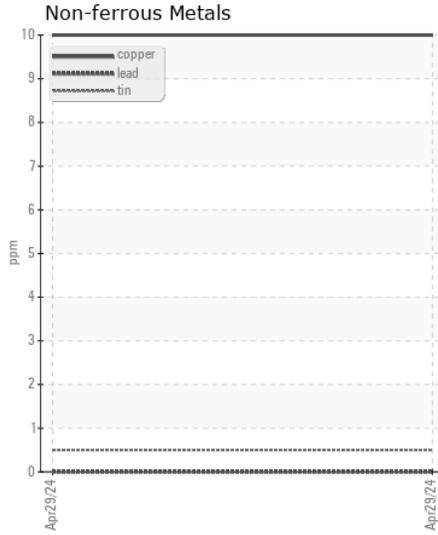
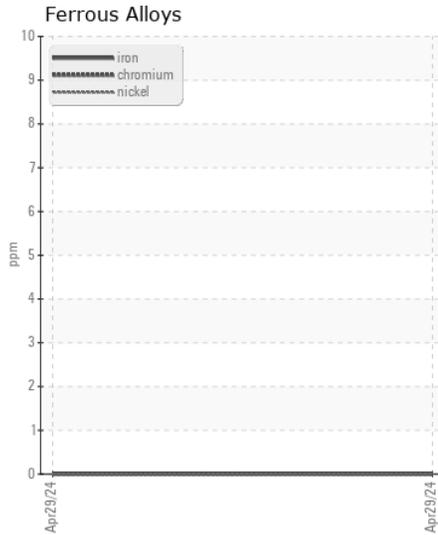
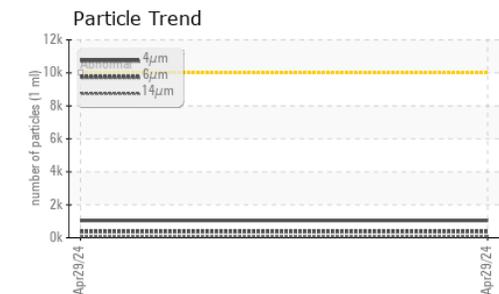
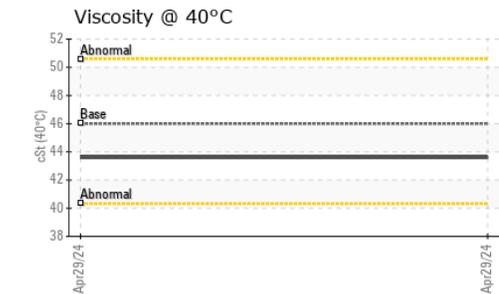
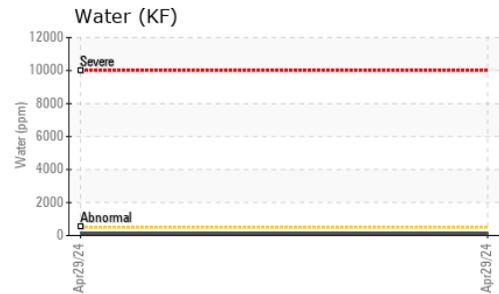
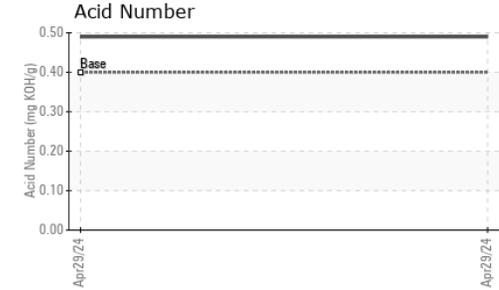
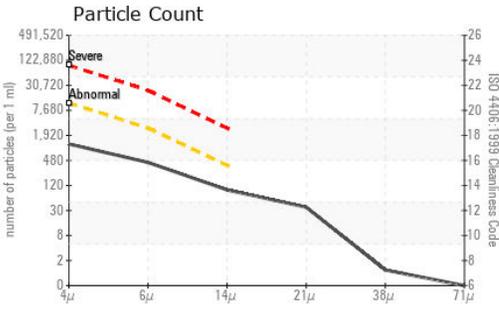
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	2	---	---
Potassium	ppm	ASTM D5185m	>20	0	---	---
Water	%	ASTM D6304	>0.05	0.012	---	---
ppm Water	ppm	ASTM D6304	>500	122	---	---
Particles >4µm		ASTM D7647	>10000	1045	---	---
Particles >6µm		ASTM D7647	>2500	378	---	---
Particles >14µm		ASTM D7647	>320	83	---	---
Particles >21µm		ASTM D7647	>80	32	---	---
Particles >38µm		ASTM D7647	>20	1	---	---
Particles >71µm		ASTM D7647	>4	0	---	---
Oil Cleanliness		ISO 4406 (c)	>20/18/15	17/16/14	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.05	NEG	---	---

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		1	---	---
Boron	ppm	ASTM D5185m		0	---	---
Barium	ppm	ASTM D5185m	90	0	---	---
Molybdenum	ppm	ASTM D5185m		0	---	---
Manganese	ppm	ASTM D5185m		1	---	---
Magnesium	ppm	ASTM D5185m	90	0	---	---
Calcium	ppm	ASTM D5185m	2	0	---	---
Phosphorus	ppm	ASTM D5185m		0	---	---
Zinc	ppm	ASTM D5185m		0	---	---
Sulfur	ppm	ASTM D5185m		15881	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.49	---	---
Visc @ 40°C	cSt	ASTM D445	46	43.6	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : APC06177178 **Received** : 13 May 2024  
**Lab Number** : 06177178 **Tested** : 14 May 2024  
**Unique Number** : 11023231 **Diagnosed** : 14 May 2024 - Don Baldrige  
**Test Package** : IND 2 ( Additional Tests: KF, PrtCount )

**AIR PRODUCTS AND CHEMICALS INC - ALLENTOWN**  
 7201 HAMILTON BLVD  
 ALLENTOWN, PA  
 US 18195  
 Contact: MICHAEL PROTZEK  
 protzema@airproducts.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: