



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Area  
**PLUS 10 [1394596]**  
Machine Id  
**KAESER 1161 - CAST NYLONS**  
Component  
**Compressor**

## RECOMMENDATION

We advise that you follow the water drain-off procedure for this component. Resample at the next service interval to monitor.

## WEAR

All component wear rates are normal.

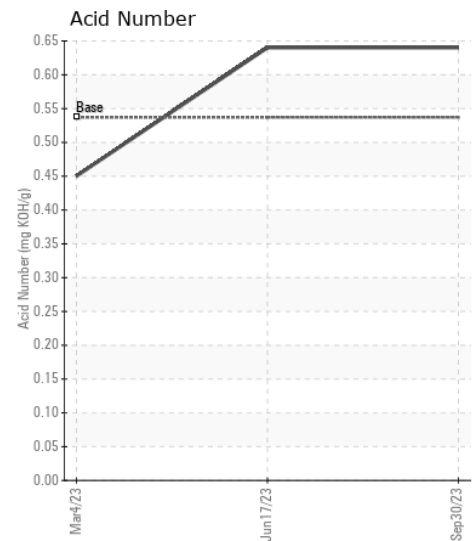
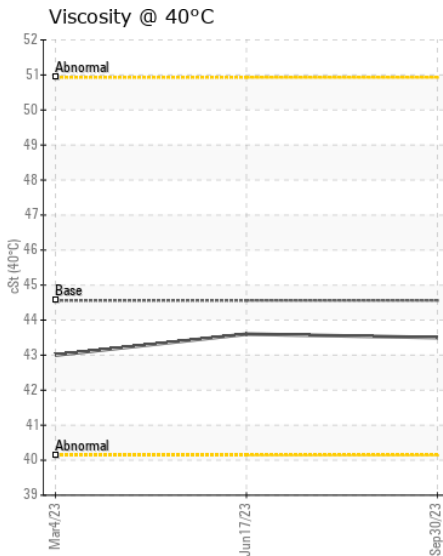
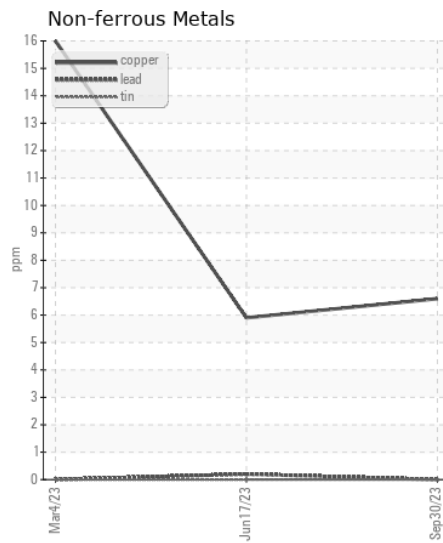
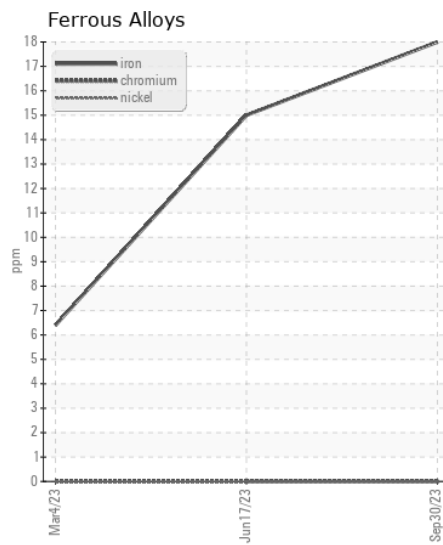
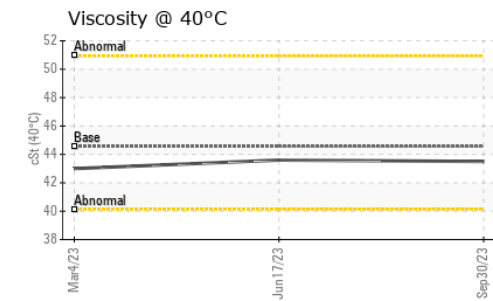
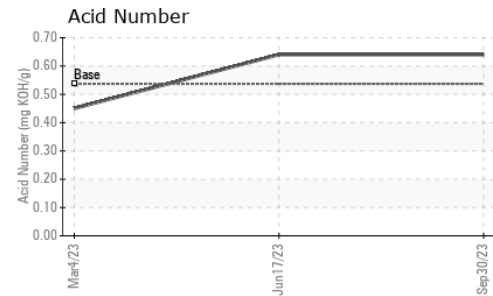
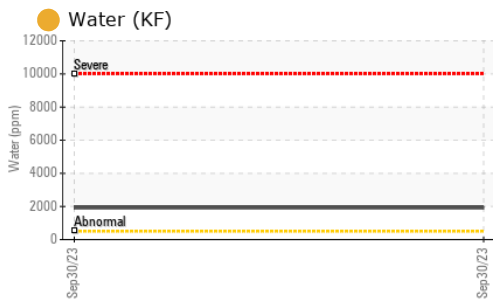
## CONTAMINATION

There is a light concentration of water present in the oil.

## FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		UCH06000599	UCH05904481	UCH05815434
Sample Date		Client Info		30 Sep 2023	17 Jun 2023	04 Mar 2023
Machine Age	hrs	Client Info		55549	53097	50581
Oil Age	hrs	Client Info		2502	2516	5486
Filter Age	hrs	Client Info		2502	2516	5486
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Filter Changed		Client Info		Not Changd	Not Changd	Changed
Sample Status				ATTENTION	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>50	18	15	6
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	2	<1	0
Lead	ppm	ASTM D5185m	>10	0	<1	0
Copper	ppm	ASTM D5185m	>50	7	6	16
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	MODER	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>25	0	<1	0
Potassium	ppm	ASTM D5185m	>20	<1	<1	1
Water	%	ASTM D6304	>0.05	0.192	---	---
ppm Water	ppm	ASTM D6304	>500	1920	---	---
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	MODER	MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	0.2%	NEG	NEG
Sodium	ppm	ASTM D5185m		2	0	0
Boron	ppm	ASTM D5185m	0.1	0	0	0
Barium	ppm	ASTM D5185m	0.8	6	9	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m	0.9	0	0	0
Magnesium	ppm	ASTM D5185m	0	0	<1	0
Calcium	ppm	ASTM D5185m	0	<1	2	0
Phosphorus	ppm	ASTM D5185m	409	275	375	224
Zinc	ppm	ASTM D5185m	0	151	130	124
Sulfur	ppm	ASTM D5185m	1290	939	1205	4516
Acid Number (AN)	mg KOH/g	ASTM D8045	0.537	0.64	0.64	0.45
Visc @ 40°C	cSt	ASTM D445	44.56	43.5	43.6	43.0



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : UCH06000599

**Lab Number** : 06000599

**Unique Number** : 10728959

**Test Package** : IND 2 ( Additional Tests: KF )

**Received** : 07 Nov 2023

**Tested** : 08 Nov 2023

**Diagnosed** : 09 Nov 2023 - Don Baldrige

**AIR TECHNOLOGIES INC (CLE)**

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T:

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)

F: (440)349-0608