



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
SYNOIL 8K
 Machine Id
KAESER ASD 30 1023 - AIROLDI BROTHERS
 Component
Compressor

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		UCZ06057423	UCZ05703776	UCZ05382081
Sample Date		Client Info		04 Jan 2024	31 Oct 2022	13 Oct 2021
Machine Age	hrs	Client Info		53668	53332	50551
Oil Age	hrs	Client Info		350	3000	600
Filter Age	hrs	Client Info		350	3000	600
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	ATTENTION

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	5	3	2
Chromium	ppm	ASTM D5185m	>10	0	0	<1
Nickel	ppm	ASTM D5185m	>3	0	0	<1
Titanium	ppm	ASTM D5185m	>3	0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>10	2	2	<1
Lead	ppm	ASTM D5185m	>10	0	0	<1
Copper	ppm	ASTM D5185m	>50	1	<1	3
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

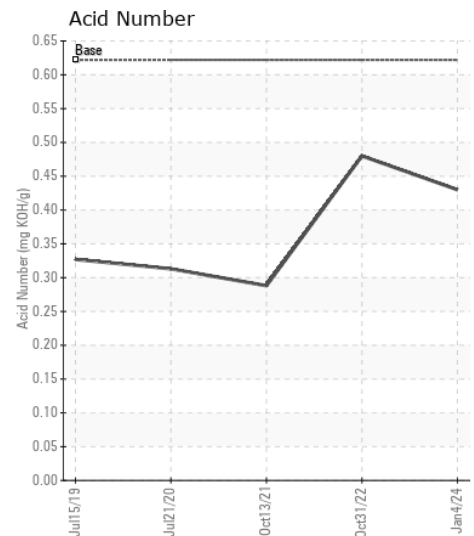
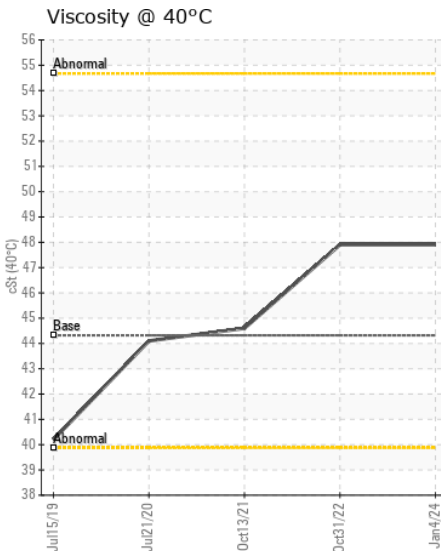
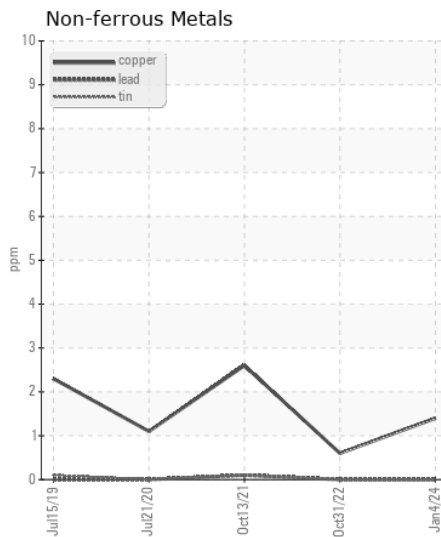
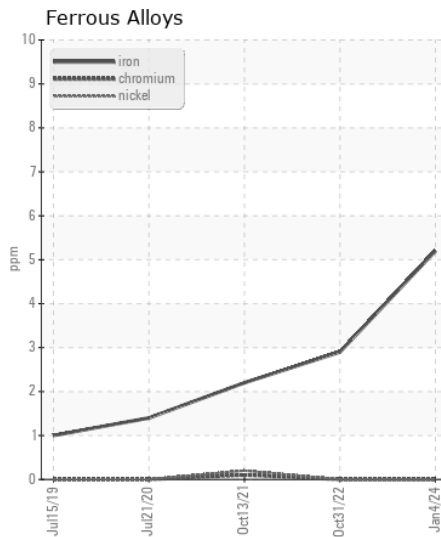
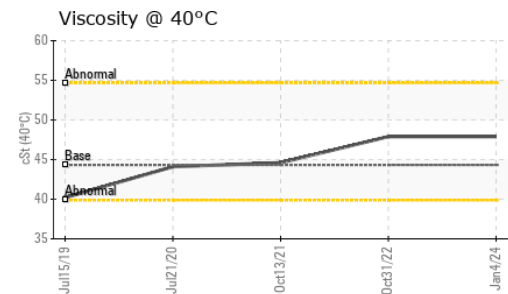
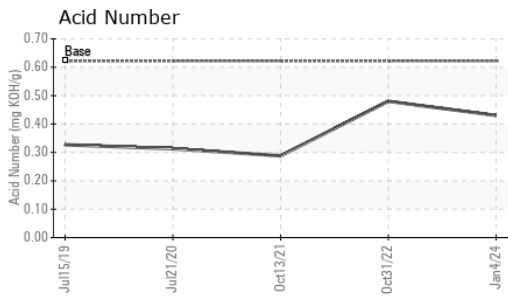
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	3	4	4
Potassium	ppm	ASTM D5185m	>20	1	0	0
Water		WC Method	>0.05	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	▲ HAZY
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	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		0	4	1
Boron	ppm	ASTM D5185m	0.3	0	0	<1
Barium	ppm	ASTM D5185m	0.3	0	2	<1
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m	0.9	0	<1	<1
Magnesium	ppm	ASTM D5185m	0.2	4	1	1
Calcium	ppm	ASTM D5185m	0.1	<1	<1	0
Phosphorus	ppm	ASTM D5185m	429	437	393	309
Zinc	ppm	ASTM D5185m	0.3	184	118	44
Sulfur	ppm	ASTM D5185m	1336	333	577	1105
Acid Number (AN)	mg KOH/g	ASTM D8045	0.622	0.43	0.48	0.288
Visc @ 40°C	cSt	ASTM D445	44.32	47.9	47.9	44.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCZ06057423
Lab Number : 06057423
Unique Number : 10823372
Test Package : IND 2

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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)