



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

S-460 [10631]

Machine Id

KAESER 1048 - AMAZON

Component

Compressor

Fluid

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

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0924280	UDI06141425	UCH05885717
Sample Date		Client Info		08 Jul 2024	01 Apr 2024	19 Jun 2023
Machine Age	hrs	Client Info		16751	14911	12117
Oil Age	hrs	Client Info		4579	2739	4789
Filter Age	hrs	Client Info		1840	890	4789
Oil Changed		Client Info		Not Changed	Not Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

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

CONTAMINATION

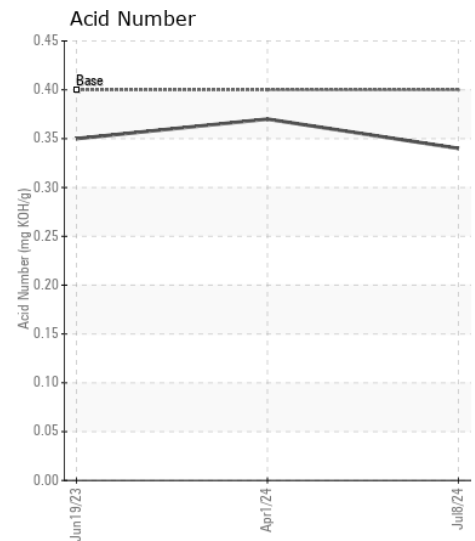
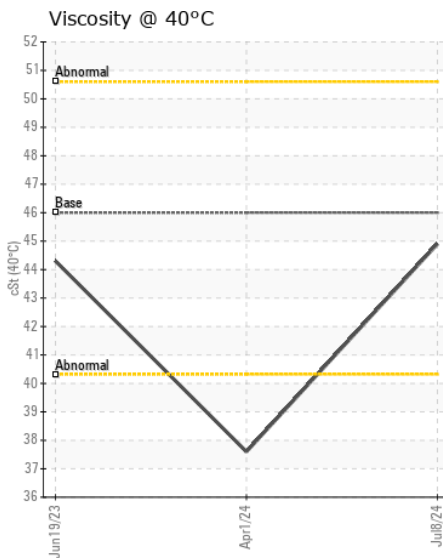
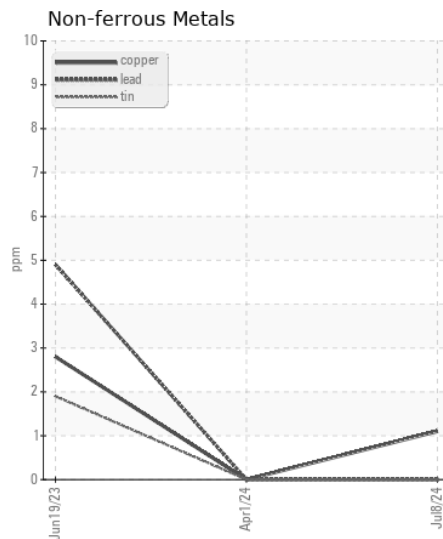
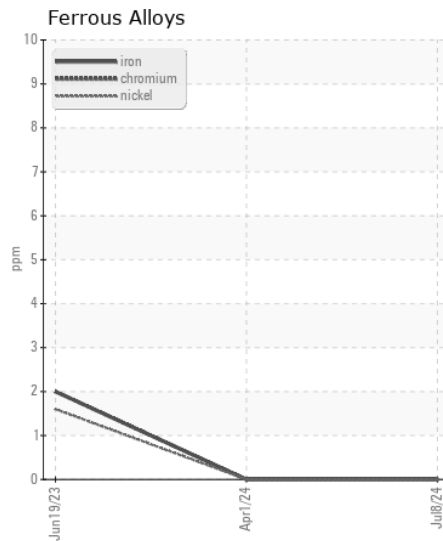
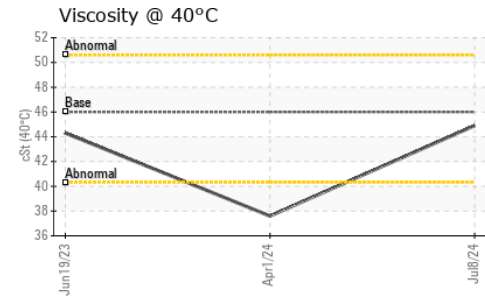
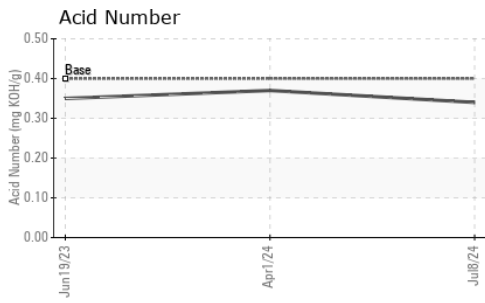
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<1	0	3
Potassium	ppm	ASTM D5185m	>20	3	3	11
Water		WC Method	>0.05	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
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	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		20	19	16
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m	90	55	70	50
Molybdenum	ppm	ASTM D5185m		0	0	2
Manganese	ppm	ASTM D5185m		0	0	2
Magnesium	ppm	ASTM D5185m	90	58	74	60
Calcium	ppm	ASTM D5185m	2	2	0	3
Phosphorus	ppm	ASTM D5185m		<1	0	5
Zinc	ppm	ASTM D5185m		4	0	13
Sulfur	ppm	ASTM D5185m		19712	21020	18810
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	0.34	0.37	0.35
Visc @ 40°C	cSt	ASTM D445	46	44.9	37.6	44.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0924280
Lab Number : 06236159
Unique Number : 11124993
Test Package : IND 2

Received : 15 Jul 2024
Tested : 16 Jul 2024
Diagnosed : 16 Jul 2024 - Wes Davis

DELTA INDUSTRIES - CEDAR RAPIDS
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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)