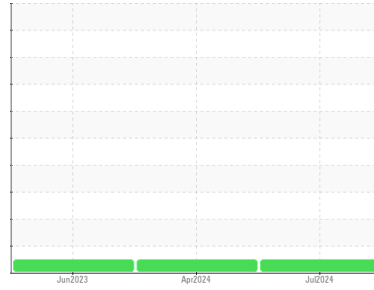




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**S-460 [10631]**  
 Machine Id  
**KAESER 1047 - AMAZON**  
 Component  
**Compressor**  
 Fluid  
**KAESER SIGMA (OEM) S-460 (--- GAL)**

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination 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>WC0924278</b>	UDI06141427	UCH05885715
Sample Date	Client Info			<b>08 Jul 2024</b>	01 Apr 2024	19 Jun 2023
Machine Age	hrs	Client Info		<b>15268</b>	12917	10625
Oil Age	hrs	Client Info		<b>2554</b>	3	6152
Oil Changed	Client Info			<b>Not Changed</b>	Not Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.05	<b>NEG</b>	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<b>0</b>	0	2
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	0	2
Nickel	ppm	ASTM D5185m	>3	<b>0</b>	0	2
Titanium	ppm	ASTM D5185m	>3	<b>0</b>	0	2
Silver	ppm	ASTM D5185m	>2	<b>0</b>	0	1
Aluminum	ppm	ASTM D5185m	>10	<b>0</b>	0	5
Lead	ppm	ASTM D5185m	>10	<b>0</b>	0	5
Copper	ppm	ASTM D5185m	>50	<b>&lt;1</b>	0	6
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	2
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	1
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	2

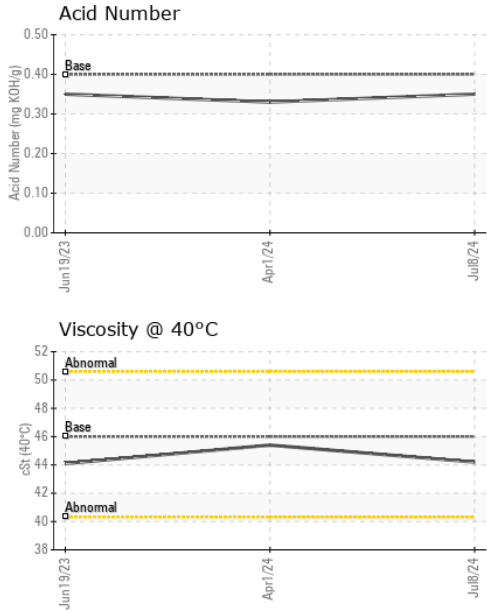
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>0</b>	0	0
Barium	ppm	ASTM D5185m	90	<b>60</b>	67	22
Molybdenum	ppm	ASTM D5185m		<b>0</b>	0	2
Manganese	ppm	ASTM D5185m		<b>0</b>	0	2
Magnesium	ppm	ASTM D5185m	90	<b>72</b>	76	45
Calcium	ppm	ASTM D5185m	2	<b>3</b>	0	2
Phosphorus	ppm	ASTM D5185m		<b>0</b>	0	6
Zinc	ppm	ASTM D5185m		<b>3</b>	0	17
Sulfur	ppm	ASTM D5185m		<b>20040</b>	21119	18398

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<b>1</b>	0	3
Sodium	ppm	ASTM D5185m		<b>25</b>	7	8
Potassium	ppm	ASTM D5185m	>20	<b>7</b>	0	8

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	<b>0.35</b>	0.33	0.35



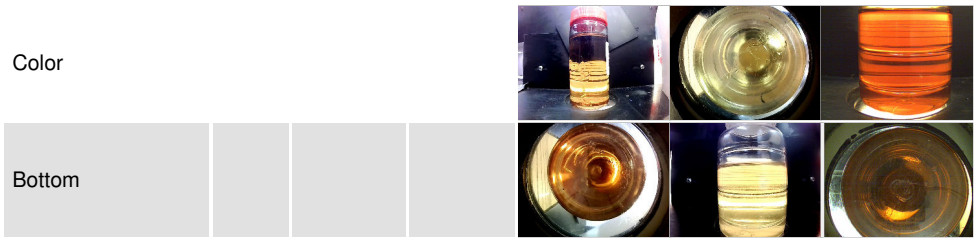
# OIL ANALYSIS REPORT



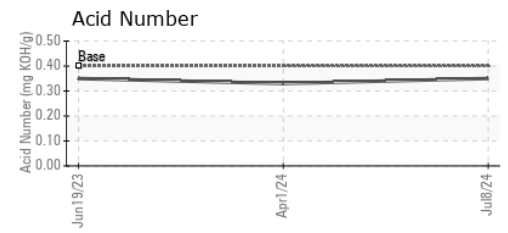
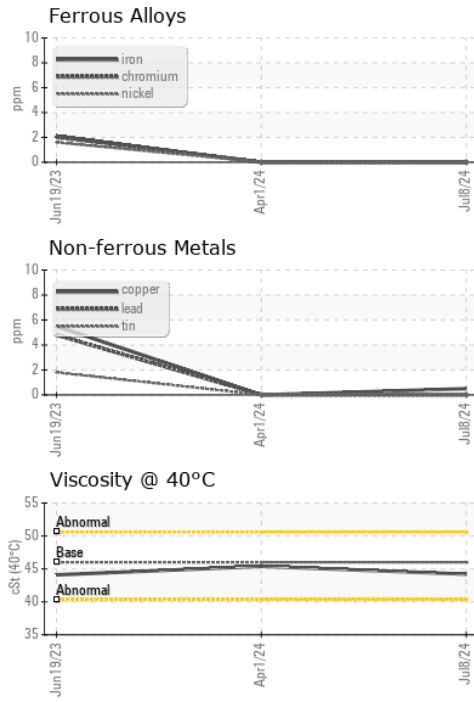
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	<b>44.2</b>	45.4	44.1

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0924278      **Received** : 15 Jul 2024  
**Lab Number** : **06236160**      **Tested** : 16 Jul 2024  
**Unique Number** : 11124994      **Diagnosed** : 16 Jul 2024 - Wes Davis  
**Test Package** : IND 2

**DELTA INDUSTRIES - CEDAR RAPIDS**  
 6540 4TH ST SW UNIT A  
 CEDAR RAPIDS, IA  
 US 52404  
 Contact: MICHAEL FERRIS  
 wearcheck@deltaind.net  
 T: (319)862-2500  
 F: (319)862-2501

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)