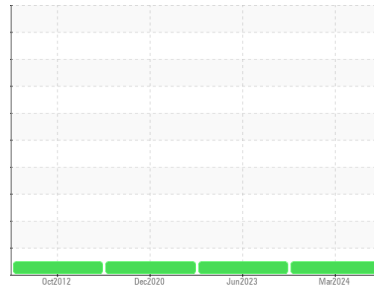




# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area

**KAESER S-460 [9063]**

Machine Id

**KAESER 1106 - ITW FASTEX (S/N 100821.1)**

Component

**Compressor**

### 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 acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>UDI06144362</b>	UCH05885706	UCH05135170
Sample Date	Client Info			<b>20 Mar 2024</b>	12 Jun 2023	02 Dec 2020
Machine Age	hrs	Client Info		<b>70894</b>	66902	53514
Oil Age	hrs	Client Info		<b>6832</b>	5000	3000
Oil Changed	Client Info			<b>Changed</b>	Changed	Not Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.1	<b>NEG</b>	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<b>&lt;1</b>	2	0
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	2	0
Nickel	ppm	ASTM D5185m		<b>&lt;1</b>	2	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	2	0
Silver	ppm	ASTM D5185m		<b>0</b>	1	<1
Aluminum	ppm	ASTM D5185m	>25	<b>2</b>	4	0
Lead	ppm	ASTM D5185m	>25	<b>&lt;1</b>	5	<1
Copper	ppm	ASTM D5185m	>50	<b>5</b>	9	<1
Tin	ppm	ASTM D5185m	>15	<b>1</b>	2	0
Antimony	ppm	ASTM D5185m		<b>---</b>	---	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	1	0
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	2	0

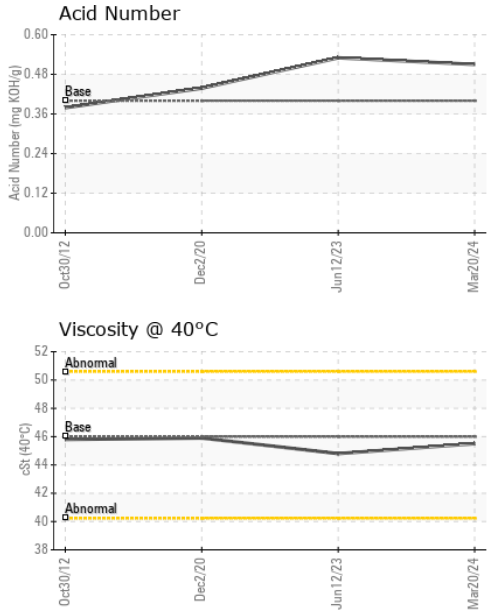
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<b>0</b>	0	1
Barium	ppm	ASTM D5185m	90	<b>0</b>	8	0
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	2	0
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	2	0
Magnesium	ppm	ASTM D5185m	90	<b>2</b>	10	0
Calcium	ppm	ASTM D5185m	2	<b>3</b>	<1	0
Phosphorus	ppm	ASTM D5185m		<b>0</b>	5	101
Zinc	ppm	ASTM D5185m		<b>0</b>	8	0
Sulfur	ppm	ASTM D5185m		<b>19316</b>	14846	1550

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<b>&lt;1</b>	2	0
Sodium	ppm	ASTM D5185m		<b>0</b>	3	<1
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	6	0

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.4	<b>0.51</b>	0.53	0.438



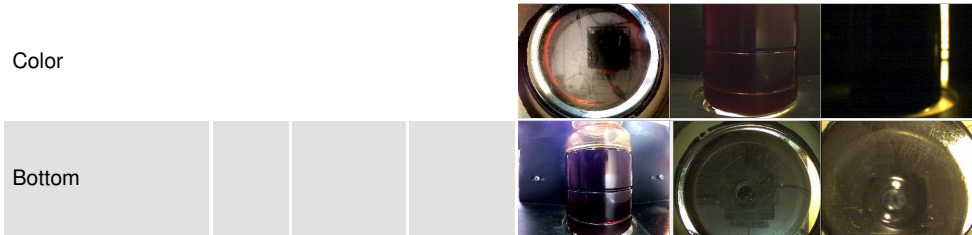
# OIL ANALYSIS REPORT



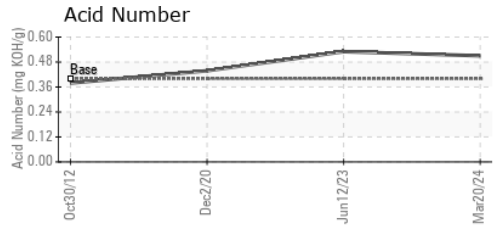
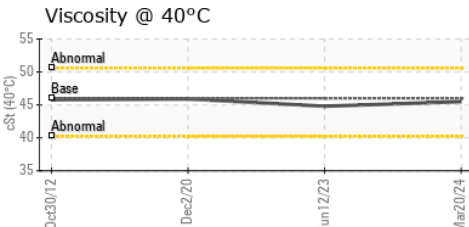
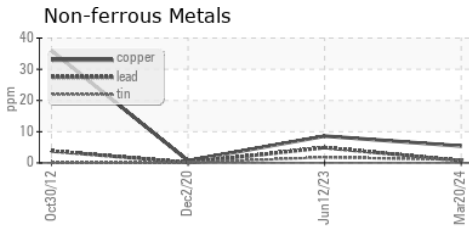
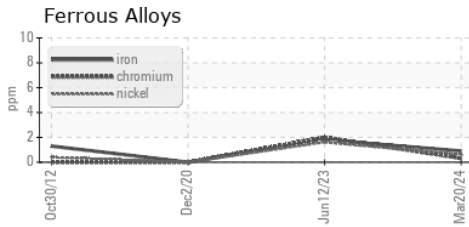
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	LIGHT
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG
Free Water	scalar	*Visual		<b>NEG</b>	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46	<b>45.5</b>	44.8

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UDI06144362      **Received** : 10 Apr 2024  
**Lab Number** : **06144362**      **Tested** : 11 Apr 2024  
**Unique Number** : 10969170      **Diagnosed** : 12 Apr 2024 - Sean Felton  
**Test Package** : IND 2

**DELTA INDUSTRIES - DOWNERS GROVE**  
 2201 CURTISS STREET  
 DOWNERS GROVE, IL  
 US 60515  
 Contact: MICHAEL FERRIS

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: (630)960-3931