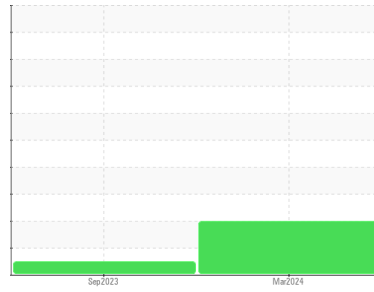




OIL ANALYSIS REPORT

Sample Rating Trend



DEGRADATION



Area

ULTRACHEM DF8 PLUS [9084]

Machine Id

KAESER 1108 - WEINSTEIN WHOLESALE MEATS

Component

Compressor

DIAGNOSIS

● Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

● Wear

An increase in the copper level is noted. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

● Fluid Condition

An increase in the AN level is noted.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		UDI06144390	UCH05969048	---
Sample Date	Client Info		29 Mar 2024	27 Sep 2023	---
Machine Age	hrs	Client Info	27393	23238	---
Oil Age	hrs	Client Info	4154	7754	---
Oil Changed	Client Info		Changed	Changed	---
Sample Status			ATTENTION	NORMAL	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.05	NEG	NEG	---

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>50	2	1	---
Chromium	ppm	ASTM D5185m	>10	<1	0	---
Nickel	ppm	ASTM D5185m	>3	<1	0	---
Titanium	ppm	ASTM D5185m	>3	<1	<1	---
Silver	ppm	ASTM D5185m	>2	0	0	---
Aluminum	ppm	ASTM D5185m	>10	5	4	---
Lead	ppm	ASTM D5185m	>10	<1	0	---
Copper	ppm	ASTM D5185m	>50	45	6	---
Tin	ppm	ASTM D5185m	>10	1	<1	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
Cadmium	ppm	ASTM D5185m		<1	0	---

ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	1	0	0	---
Barium	ppm	ASTM D5185m	0.3	0	0	---
Molybdenum	ppm	ASTM D5185m	0	<1	0	---
Manganese	ppm	ASTM D5185m	0	<1	<1	---
Magnesium	ppm	ASTM D5185m	0	2	0	---
Calcium	ppm	ASTM D5185m	0.5	3	0	---
Phosphorus	ppm	ASTM D5185m	536	535	199	---
Zinc	ppm	ASTM D5185m	0.2	448	213	---
Sulfur	ppm	ASTM D5185m	649	2126	1412	---

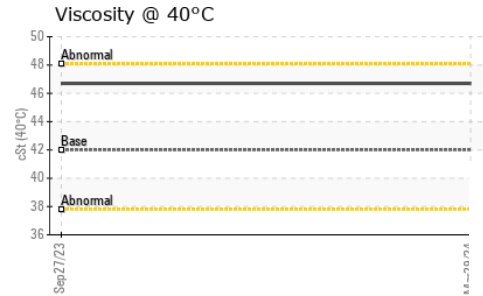
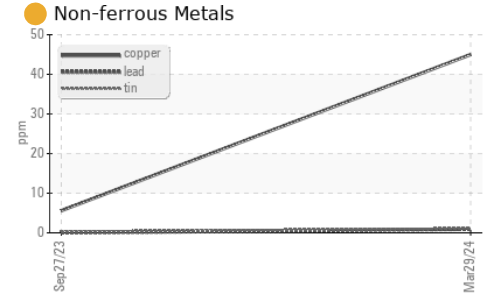
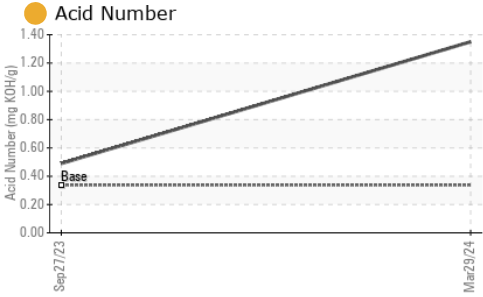
CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	1	<1	---
Sodium	ppm	ASTM D5185m		<1	<1	---
Potassium	ppm	ASTM D5185m	>20	2	1	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045	0.337	1.35	0.49	---

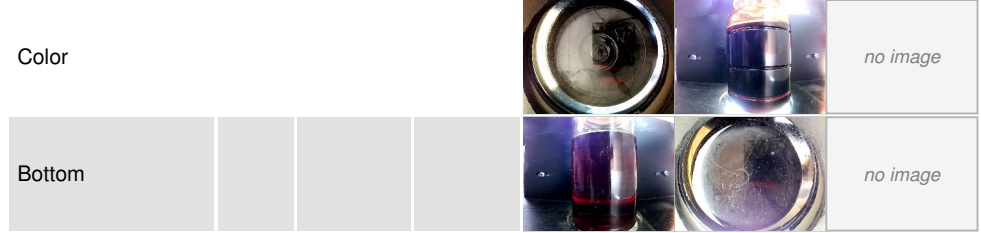
OIL ANALYSIS REPORT



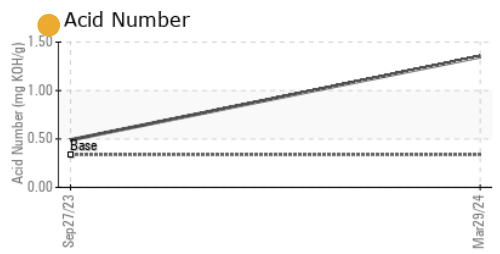
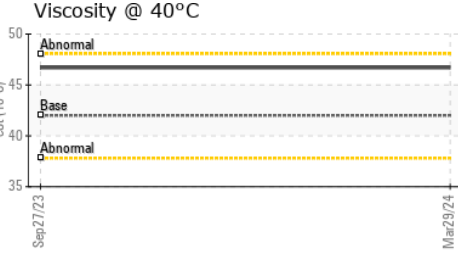
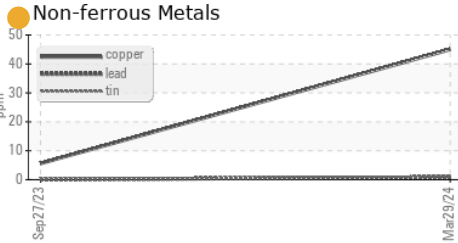
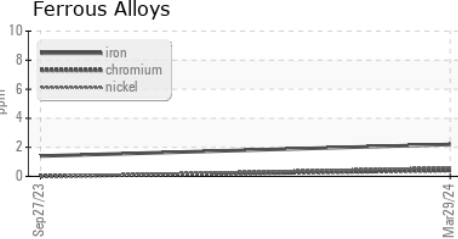
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.05	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	42.0	46.7	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UDI06144390 **Received** : 10 Apr 2024
Lab Number : 06144390 **Tested** : 11 Apr 2024
Unique Number : 10969198 **Diagnosed** : 12 Apr 2024 - Angela Borella
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)