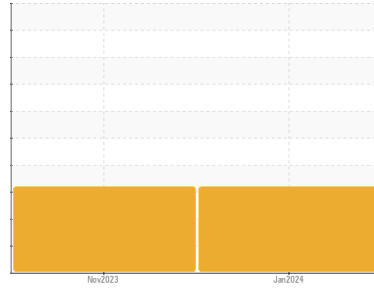




PROBLEM SUMMARY

Sample Rating Trend



DEGRADATION



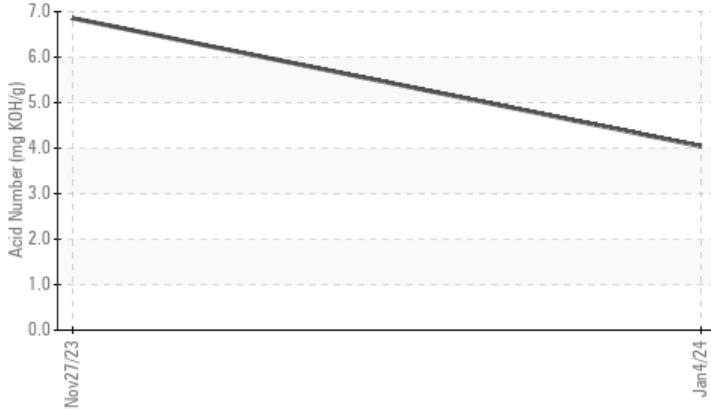
Machine Id
AIR COMP 1 (S/N UTY309625)

Component
Air Compressor

Fluid
10% LUBRIPLATE PURE FLUSH/90% ULTRACHEM OMNIFLUSH (--- GAL)

COMPONENT CONDITION SUMMARY

● Acid Number



RECOMMENDATION

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status	mg KOH/g	ASTM D8045	SEVERE	SEVERE	---
Acid Number (AN)	4.04		● 4.04	● 6.855	---

Customer Id: VALMIL
Sample No.: WC0727222
Lab Number: 06063717
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
Doug Bogart +1 (800)237-1369 x4016
dougb@wearcheckusa.com

To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

27 Nov 2023 Diag: Angela Borella

DEGRADATION



We advise that you check for a possible overheat condition. Recommend drain oil if not already done and flush with cleaner before refilling with oil. We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is above the recommended limit. TAN level indicates possible presence of varnish.

view report





OIL ANALYSIS REPORT

Sample Rating Trend

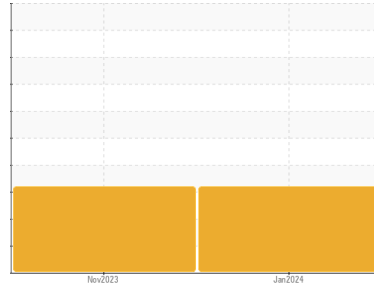
DEGRADATION



Machine Id
AIR COMP 1 (S/N UTY309625)

Component
Air Compressor

Fluid
10% LUBRIPLATE PURE FLUSH/90% ULTRACHEM OMNIFLUSH (--- GAL)



DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The AN level is above the recommended limit.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0727222	WC0832546	---
Sample Date	Client Info		04 Jan 2024	27 Nov 2023	---
Machine Age	hrs	Client Info	9248	8535	---
Oil Age	hrs	Client Info	364	0	---
Oil Changed	Client Info		Changed	N/A	---
Sample Status			SEVERE	SEVERE	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.6	NEG	NEG	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	1	2	---
Chromium	ppm	ASTM D5185m >4	0	0	---
Nickel	ppm	ASTM D5185m >4	0	<1	---
Titanium	ppm	ASTM D5185m	0	<1	---
Silver	ppm	ASTM D5185m	0	0	---
Aluminum	ppm	ASTM D5185m >10	0	2	---
Lead	ppm	ASTM D5185m >20	0	<1	---
Copper	ppm	ASTM D5185m >40	4	6	---
Tin	ppm	ASTM D5185m >5	0	<1	---
Vanadium	ppm	ASTM D5185m	0	0	---
Cadmium	ppm	ASTM D5185m	0	<1	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	---
Barium	ppm	ASTM D5185m	0	0	---
Molybdenum	ppm	ASTM D5185m	0	<1	---
Manganese	ppm	ASTM D5185m	0	<1	---
Magnesium	ppm	ASTM D5185m	0	<1	---
Calcium	ppm	ASTM D5185m	4	<1	---
Phosphorus	ppm	ASTM D5185m	7	0	---
Zinc	ppm	ASTM D5185m	0	0	---
Sulfur	ppm	ASTM D5185m	26	0	---

CONTAMINANTS

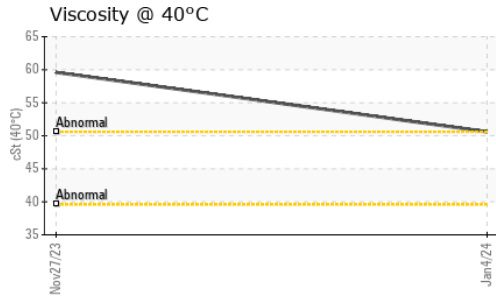
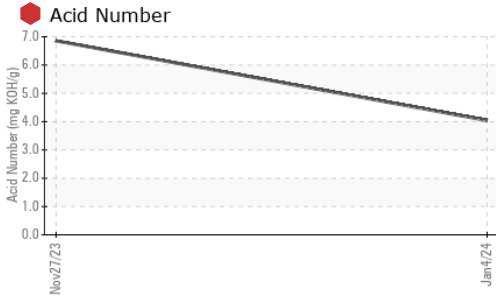
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<1	<1	---
Sodium	ppm	ASTM D5185m	3	0	---
Potassium	ppm	ASTM D5185m >20	1	2	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	4.04	6.855	---



OIL ANALYSIS REPORT



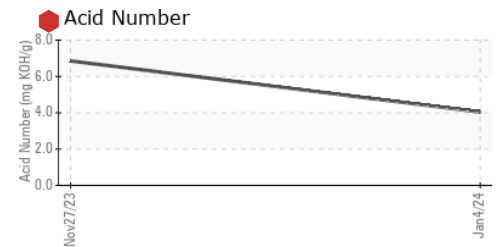
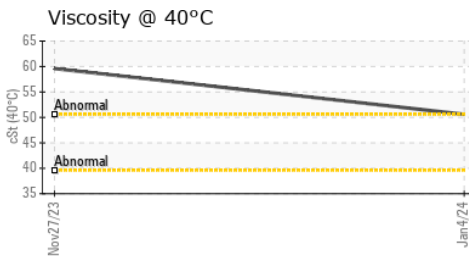
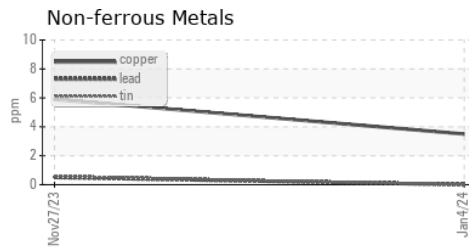
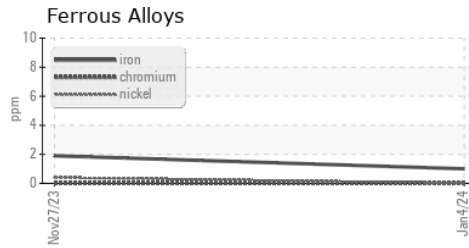
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.6	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	50.6	59.6	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color				no image
Bottom				no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0727222 **Recieved** : 17 Jan 2024
Lab Number : 06063717 **Diagnosed** : 19 Jan 2024
Unique Number : 10835099 **Diagnostician** : Doug Bogart
Test Package : IND 2

VALLEY QUEEN CHEESE FACTORY
 200 E RAILWAY
 MILBANK, SD
 US 57252
 Contact: MIKE CORDINGLEY
 mcordova@vqcheese.com
 T: (605)432-9675
 F:

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)