



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	SEVERE

Area  
**UNKNOWN**  
Machine Id  
**SULLAIR 201709200005 - VISTECH MFG SOLUTIONS**  
Component  
**Compressor**

## RECOMMENDATION

Recommend drain oil if not already done and flush with cleaner before refilling with oil.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		UCH06064414	UCH05966434	---
Sample Date		Client Info		12 Jan 2024	31 Jul 2023	---
Machine Age	hrs	Client Info		44612	40768	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	N/A	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				SEVERE	ATTENTION	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	<1	<1	---
Chromium	ppm	ASTM D5185m	>10	0	0	---
Nickel	ppm	ASTM D5185m		0	0	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	0	<1	---
Lead	ppm	ASTM D5185m	>25	<1	0	---
Copper	ppm	ASTM D5185m	>50	3	<1	---
Tin	ppm	ASTM D5185m	>15	<1	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

## CONTAMINATION

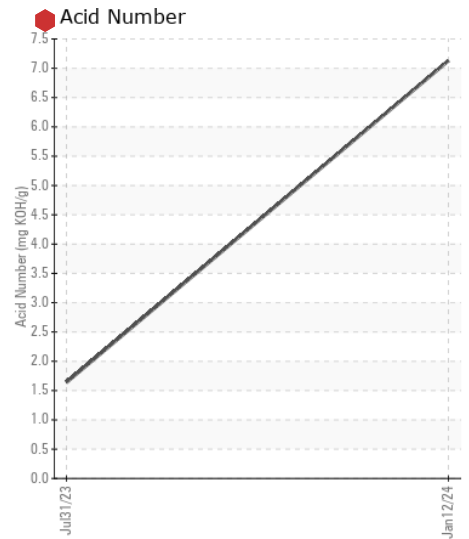
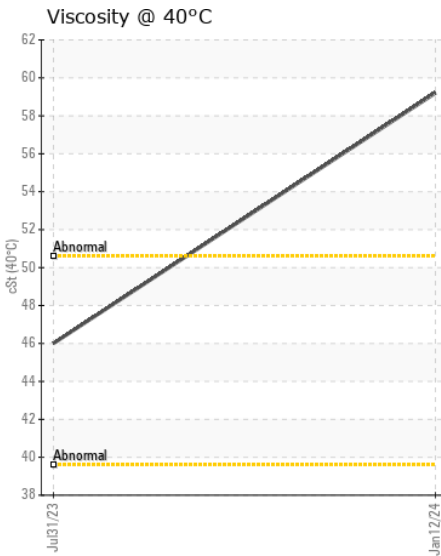
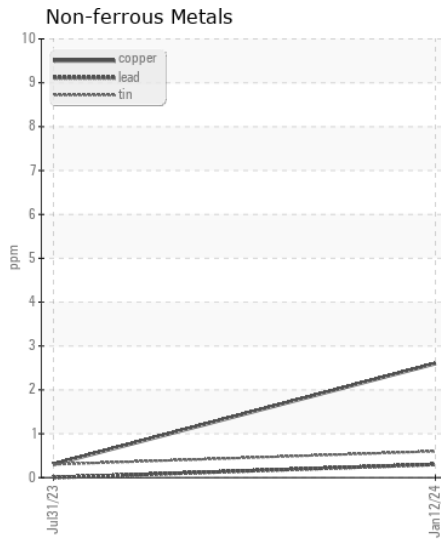
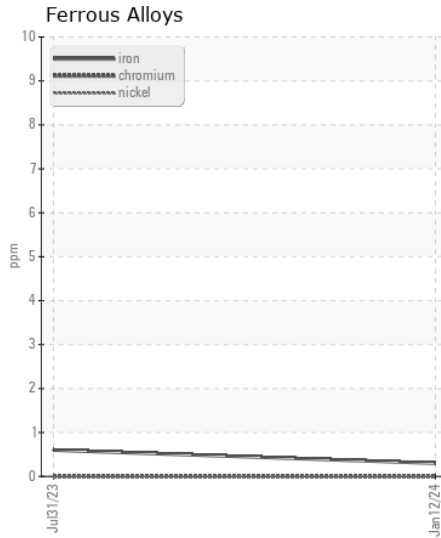
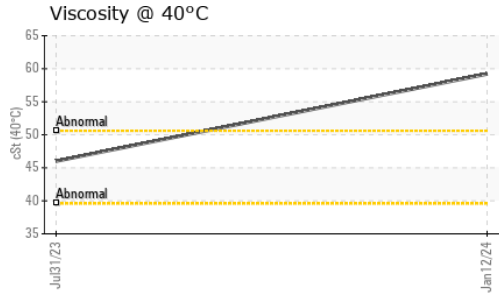
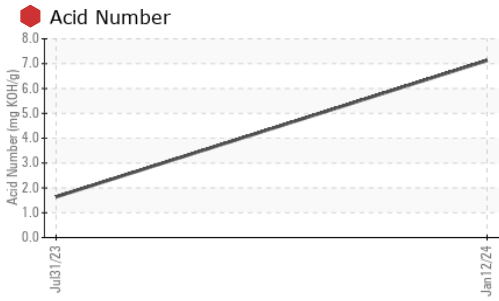
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	5	6	---
Potassium	ppm	ASTM D5185m	>20	11	3	---
Water		WC Method	>0.1	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	---

## FLUID CONDITION

The AN level is above the recommended limit. TAN level indicates possible presence of varnish. The oil is no longer serviceable.

Sodium	ppm	ASTM D5185m		64	19	---
Boron	ppm	ASTM D5185m		0	0	---
Barium	ppm	ASTM D5185m		345	132	---
Molybdenum	ppm	ASTM D5185m		0	0	---
Manganese	ppm	ASTM D5185m		0	0	---
Magnesium	ppm	ASTM D5185m		25	<1	---
Calcium	ppm	ASTM D5185m		11	2	---
Phosphorus	ppm	ASTM D5185m		11	13	---
Zinc	ppm	ASTM D5185m		7	0	---
Sulfur	ppm	ASTM D5185m		684	84	---
Acid Number (AN)	mg KOH/g	ASTM D8045		7.13	1.64	---
Visc @ 40°C	cSt	ASTM D445		59.2	46.0	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH06064414 **Recieved** : 18 Jan 2024  
**Lab Number** : 06064414 **Diagnosed** : 24 Jan 2024  
**Unique Number** : 10835796 **Diagnostician** : Doug Bogart  
**Test Package** : IND 2

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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)