



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Area  
**NOT GIVEN [1405978]**  
Machine Id  
**SULLAIR 003-127361 - FROST BITE**  
Component  
**Compressor**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>UCH06059381</b>	UCH05774039	UCH05459332
Sample Date		Client Info		<b>26 Dec 2023</b>	10 Feb 2023	02 Feb 2022
Machine Age	hrs	Client Info		<b>34701</b>	32237	0
Oil Age	hrs	Client Info		<b>1451</b>	6260	2172
Filter Age	hrs	Client Info		<b>1451</b>	0	0
Oil Changed		Client Info		<b>Not Changed</b>	Not Changed	N/A
Filter Changed		Client Info		<b>Not Changed</b>	Not Changed	Changed
Sample Status				<b>NORMAL</b>	SEVERE	NORMAL

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	<b>0</b>	3	<1
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185m		<b>2</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Aluminum	ppm	ASTM D5185m	>25	<b>&lt;1</b>	0	<1
Lead	ppm	ASTM D5185m	>25	<b>1</b>	1	<1
Copper	ppm	ASTM D5185m	>50	<b>4</b>	20	8
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

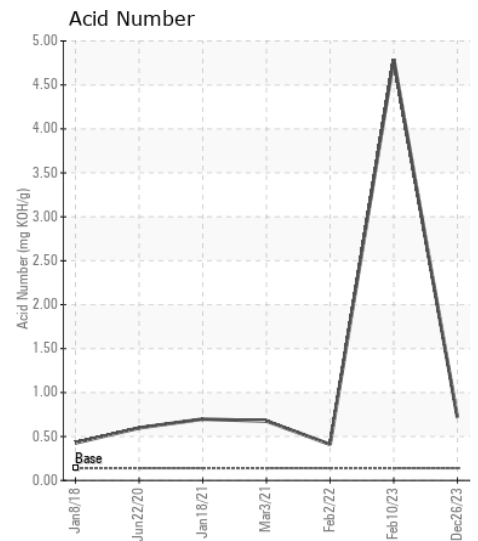
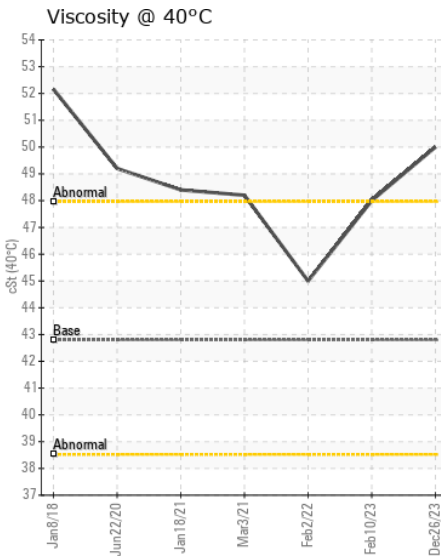
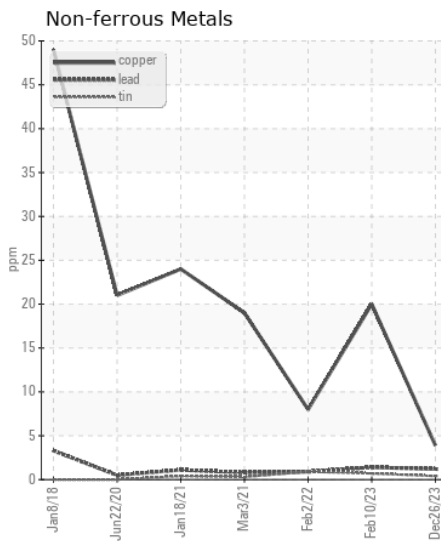
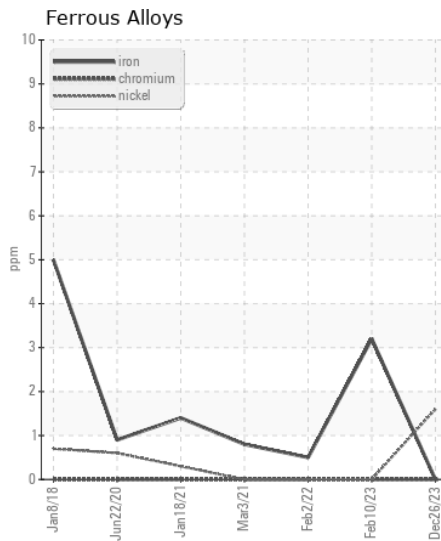
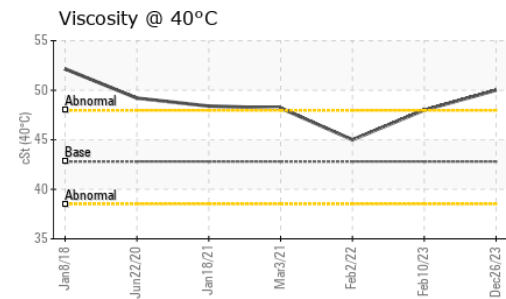
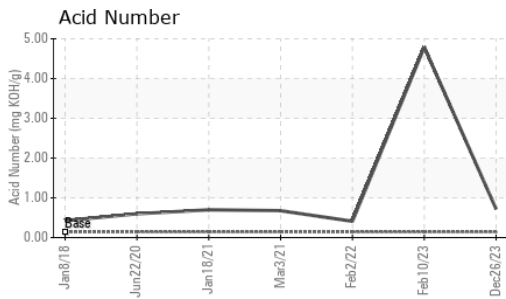
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	<b>&lt;1</b>	<1	1
Potassium	ppm	ASTM D5185m	>20	<b>6</b>	11	4
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	VLITE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

Confirm oil type. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		<b>52</b>	82	66
Boron	ppm	ASTM D5185m	1	<b>0</b>	0	2
Barium	ppm	ASTM D5185m	730	<b>514</b>	565	482
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	0	<1
Manganese	ppm	ASTM D5185m	0.0	<b>&lt;1</b>	0	<1
Magnesium	ppm	ASTM D5185m	0	<b>3</b>	<1	<1
Calcium	ppm	ASTM D5185m	0	<b>13</b>	7	6
Phosphorus	ppm	ASTM D5185m	0	<b>8</b>	13	12
Zinc	ppm	ASTM D5185m	0	<b>34</b>	84	92
Sulfur	ppm	ASTM D5185m	590	<b>610</b>	658	427
Acid Number (AN)	mg KOH/g	ASTM D8045	0.14	<b>0.72</b>	4.79	0.41
Visc @ 40°C	cSt	ASTM D445	42.8	<b>50.0</b>	48.0	45.0



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCH06059381 **Recieved** : 12 Jan 2024  
**Lab Number** : 06059381 **Diagnosed** : 15 Jan 2024  
**Unique Number** : 10830763 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2

**AIR TECHNOLOGIES INC (TOL)**  
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 TOLEDO, OH  
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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)