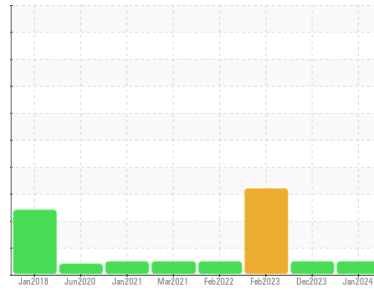




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area

NOT GIVEN [1398023]

Machine Id

SULLAIR 003-127361 - FROST BITE

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 suitable for further service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		UCH06145968	UCH06059381	UCH05774039
Sample Date	Client Info		31 Jan 2024	26 Dec 2023	10 Feb 2023
Machine Age	hrs	Client Info	34708	34701	32237
Oil Age	hrs	Client Info	1450	1451	6260
Oil Changed	Client Info		Not Chngd	Not Chngd	Not Chngd
Sample Status			NORMAL	NORMAL	SEVERE

CONTAMINATION

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

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>50	5	0	3
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m		<1	2	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>25	1	<1	0
Lead	ppm	ASTM D5185m	>25	2	1	1
Copper	ppm	ASTM D5185m	>50	4	4	20
Tin	ppm	ASTM D5185m	>15	2	<1	<1
Antimony	ppm	ASTM D5185m		---	---	---
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		1	0	0

ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	1	0	0	0
Barium	ppm	ASTM D5185m	730	524	514	565
Molybdenum	ppm	ASTM D5185m	0	<1	0	0
Manganese	ppm	ASTM D5185m	0.0	<1	<1	0
Magnesium	ppm	ASTM D5185m	0	1	3	<1
Calcium	ppm	ASTM D5185m	0	12	13	7
Phosphorus	ppm	ASTM D5185m	0	17	8	13
Zinc	ppm	ASTM D5185m	0	35	34	84
Sulfur	ppm	ASTM D5185m	590	559	610	658

CONTAMINANTS

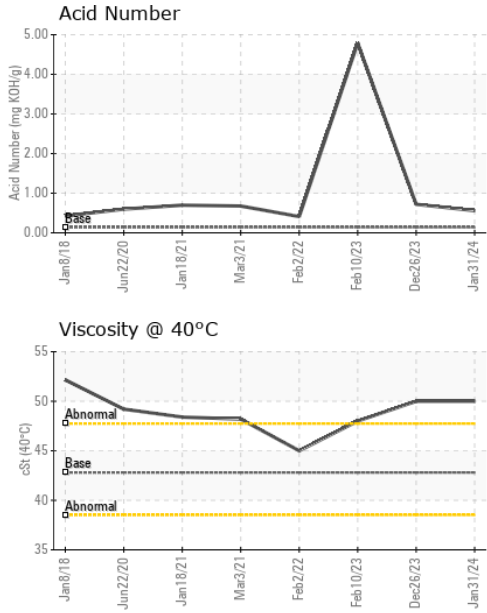
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>25	1	<1	<1
Sodium	ppm	ASTM D5185m		49	52	82
Potassium	ppm	ASTM D5185m	>20	5	6	11

FLUID DEGRADATION

	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045	0.14	0.56	0.72	▲ 4.79



OIL ANALYSIS REPORT



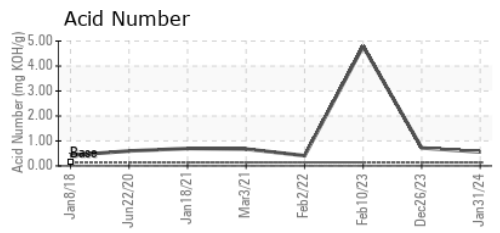
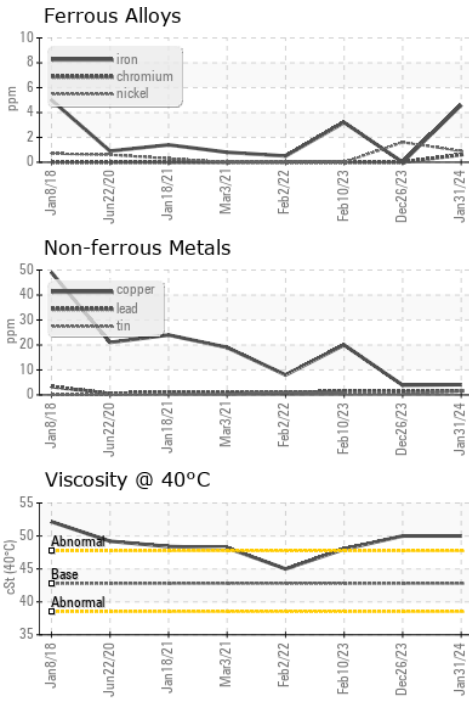
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	VLITE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	42.8	50.0	48.0

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					



GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCH06145968 **Received** : 11 Apr 2024
Lab Number : 06145968 **Tested** : 12 Apr 2024
Unique Number : 10976046 **Diagnosed** : 15 Apr 2024 - Don Baldrige
Test Package : IND 2

AIR TECHNOLOGIES INC (TOL)
 1055 CLUSTER DR
 TOLEDO, OH
 US 43612
 Contact: KEVIN PLISKA
 kevin.pliska@aircompressors.com
 T: (419)269-1000
 F: (614)414-4063

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)