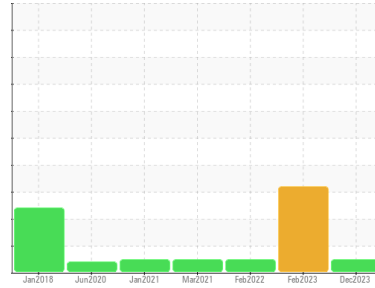




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
NOT GIVEN [1405978]
 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

Confirm oil type. 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		UCH06059381	UCH05774039	UCH05459332
Sample Date	Client Info		26 Dec 2023	10 Feb 2023	02 Feb 2022
Machine Age	hrs	Client Info	34701	32237	0
Oil Age	hrs	Client Info	1451	6260	2172
Oil Changed	Client Info		Not Chngd	Not Chngd	N/A
Sample Status			NORMAL	SEVERE	NORMAL

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	0	3	<1
Chromium	ppm	ASTM D5185m >10	0	0	0
Nickel	ppm	ASTM D5185m	2	0	0
Titanium	ppm	ASTM D5185m	0	0	0
Silver	ppm	ASTM D5185m	<1	0	<1
Aluminum	ppm	ASTM D5185m >25	<1	0	<1
Lead	ppm	ASTM D5185m >25	1	1	<1
Copper	ppm	ASTM D5185m >50	4	20	8
Tin	ppm	ASTM D5185m >15	<1	<1	<1
Antimony	ppm	ASTM D5185m	---	---	<1
Vanadium	ppm	ASTM D5185m	<1	0	0
Cadmium	ppm	ASTM D5185m	0	0	<1

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 1	0	0	2
Barium	ppm	ASTM D5185m 730	514	565	482
Molybdenum	ppm	ASTM D5185m 0	0	0	<1
Manganese	ppm	ASTM D5185m 0.0	<1	0	<1
Magnesium	ppm	ASTM D5185m 0	3	<1	<1
Calcium	ppm	ASTM D5185m 0	13	7	6
Phosphorus	ppm	ASTM D5185m 0	8	13	12
Zinc	ppm	ASTM D5185m 0	34	84	92
Sulfur	ppm	ASTM D5185m 590	610	658	427

CONTAMINANTS

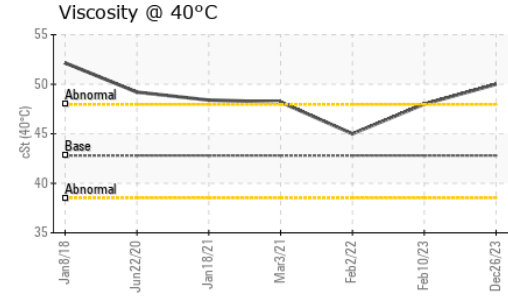
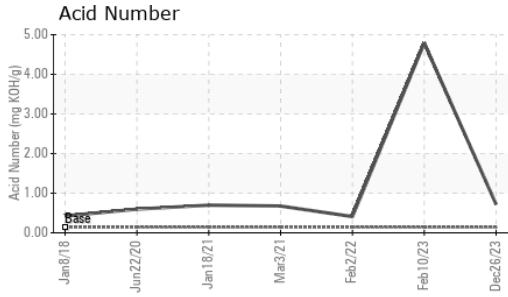
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<1	<1	1
Sodium	ppm	ASTM D5185m	52	82	66
Potassium	ppm	ASTM D5185m >20	6	11	4

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.14	0.72	4.79	0.41



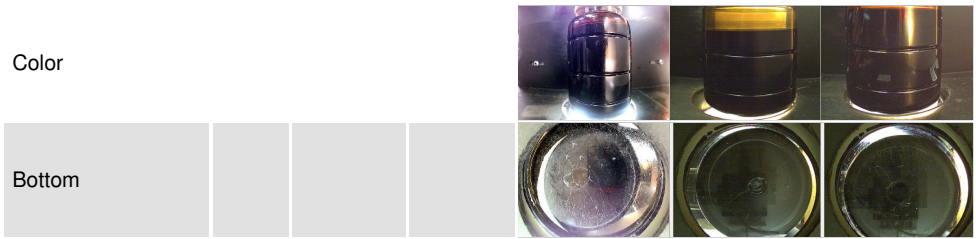
OIL ANALYSIS REPORT



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	VLITE	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
Free Water	scalar	*Visual		NEG	NEG

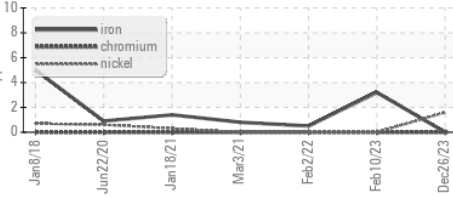
FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	42.8	50.0	48.0

SAMPLE IMAGES	method	limit/base	current	history1	history2
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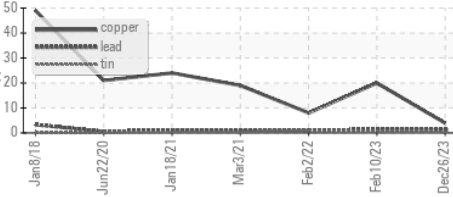


GRAPHS

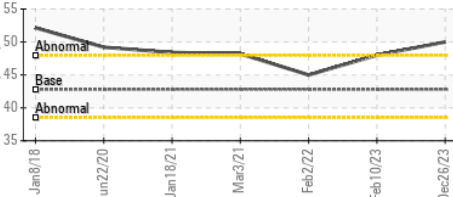
Ferrous Alloys



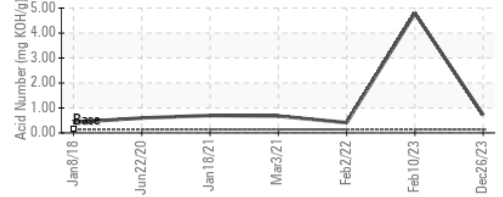
Non-ferrous Metals



Viscosity @ 40°C



Acid Number



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)
 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)