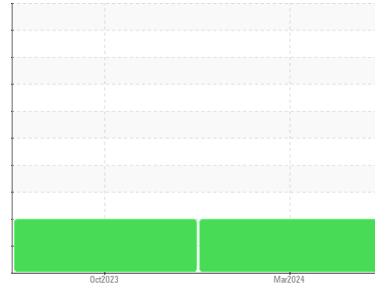




OIL ANALYSIS REPORT

Sample Rating Trend



DEGRADATION



Area

SULLUBE

Machine Id

SULLAIR 201509160041

Component

Compressor

DIAGNOSIS

Recommendation

We advise that you check for a possible overheat condition. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Wear

The iron level is abnormal.

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		UCH06137554	UCH06000598	---
Sample Date	Client Info		07 Mar 2024	16 Oct 2023	---
Machine Age	hrs	Client Info	53107	50875	---
Oil Age	hrs	Client Info	3760	1528	---
Oil Changed	Client Info		Changed	Not Changd	---
Sample Status			ABNORMAL	ABNORMAL	---

CONTAMINATION

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

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	162	159	---
Chromium	ppm	ASTM D5185m >10	0	<1	---
Nickel	ppm	ASTM D5185m	0	0	---
Titanium	ppm	ASTM D5185m	0	0	---
Silver	ppm	ASTM D5185m	0	0	---
Aluminum	ppm	ASTM D5185m >25	9	7	---
Lead	ppm	ASTM D5185m >25	0	0	---
Copper	ppm	ASTM D5185m >50	13	5	---
Tin	ppm	ASTM D5185m >15	<1	<1	---
Vanadium	ppm	ASTM D5185m	0	0	---
Cadmium	ppm	ASTM D5185m	0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	8	4	---
Barium	ppm	ASTM D5185m 745	616	563	---
Molybdenum	ppm	ASTM D5185m 0.0	0	0	---
Manganese	ppm	ASTM D5185m	1	1	---
Magnesium	ppm	ASTM D5185m 0.0	<1	<1	---
Calcium	ppm	ASTM D5185m 1	16	14	---
Phosphorus	ppm	ASTM D5185m 3	6	10	---
Zinc	ppm	ASTM D5185m 0.1	220	182	---
Sulfur	ppm	ASTM D5185m 240	485	388	---

CONTAMINANTS

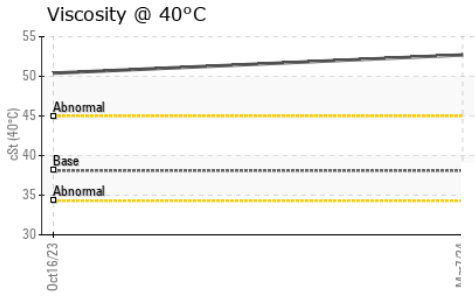
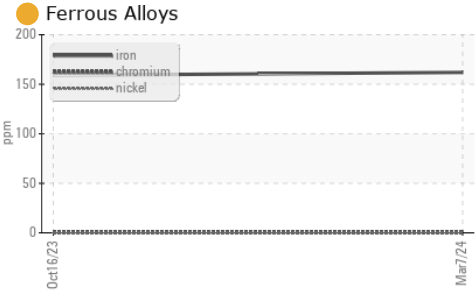
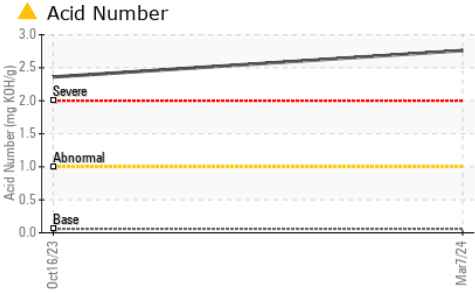
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	1	2	---
Sodium	ppm	ASTM D5185m	82	59	---
Potassium	ppm	ASTM D5185m >20	8	7	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 .06	2.76	2.36	---



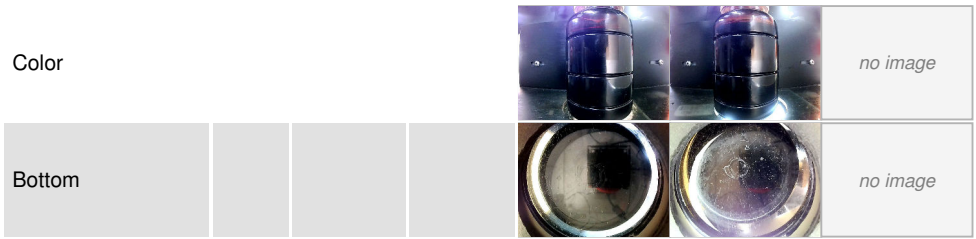
OIL ANALYSIS REPORT



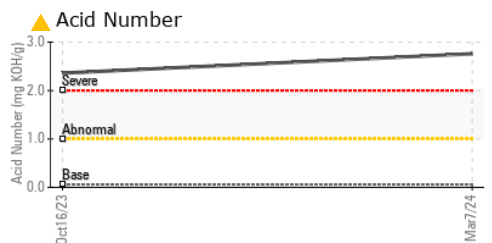
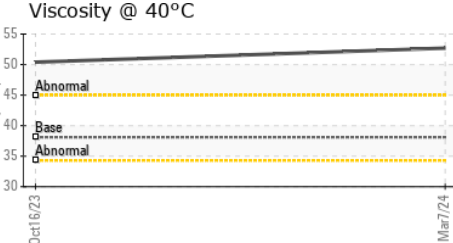
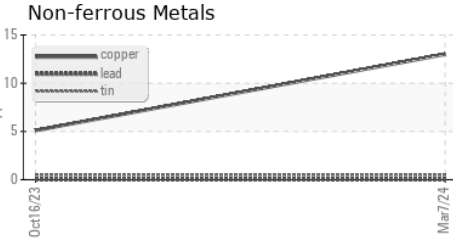
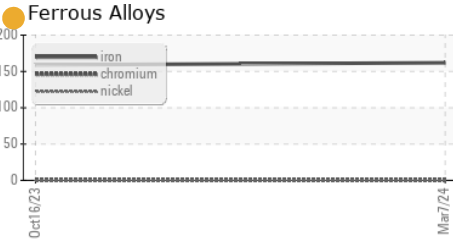
VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	*Visual	NONE	NONE	---	
Yellow Metal	scalar	*Visual	NONE	NONE	---	
Precipitate	scalar	*Visual	NONE	NONE	---	
Silt	scalar	*Visual	NONE	LIGHT	---	
Debris	scalar	*Visual	NONE	NONE	LIGHT	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	38.1	52.7	50.4

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCH06137554
Lab Number : 06137554
Unique Number : 10957019
Test Package : IND 2

AIR TECHNOLOGIES INC (CLE)
 6500 DAVIS INDUSTRIAL PARKWAY
 CLEVELAND, OH
 US 44139
 Contact: CHRIS HINDERER
 CHRIS.HINDERERE@AIRCOMPRESSORS.COM

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) F: (440)349-0608