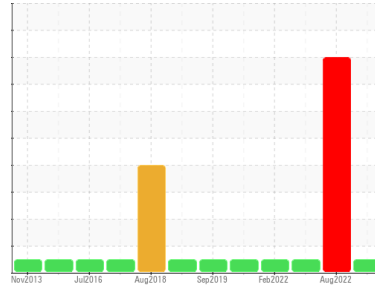




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
AIR LUBE COOLANT 32 [1388910]
 Machine Id
SULLAIR 003-102419 - AKZO PPG
 Component
Compressor

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Moderate concentration of visible dirt/debris present 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		UCH05934898	UCH05639733	UCH05556232
Sample Date	Client Info		02 Aug 2023	23 Aug 2022	12 May 2022
Machine Age	hrs	Client Info	58755	58410	0
Oil Age	hrs	Client Info	1000	440	0
Oil Changed	Client Info		Not Changed	Not Changed	Not Changed
Sample Status			NORMAL	SEVERE	NORMAL

WEAR METALS

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

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 0	0	5	1
Barium	ppm	ASTM D5185m 1416	691	692	686
Molybdenum	ppm	ASTM D5185m 0	0	0	0
Manganese	ppm	ASTM D5185m 0	0	<1	0
Magnesium	ppm	ASTM D5185m 0	<1	1	0
Calcium	ppm	ASTM D5185m 2	3	8	<1
Phosphorus	ppm	ASTM D5185m 2	3	5	2
Zinc	ppm	ASTM D5185m 0	5	3	3
Sulfur	ppm	ASTM D5185m 570	730	722	655

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<1	<1	<1
Sodium	ppm	ASTM D5185m	22	18	19
Potassium	ppm	ASTM D5185m >20	4	3	2

FLUID DEGRADATION

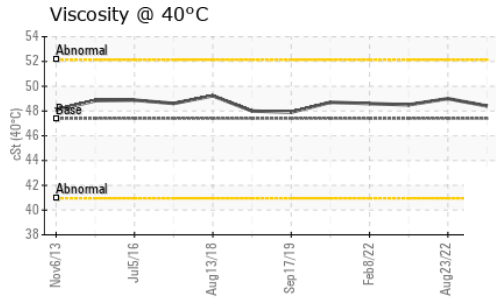
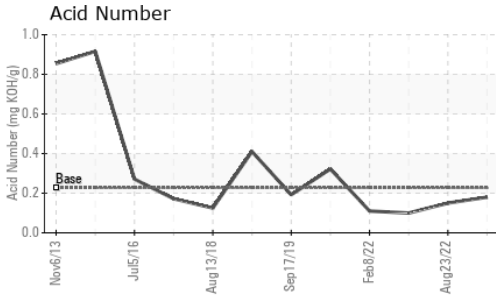
	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.227	0.18	0.15	0.10

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual NONE	NONE	NONE	NONE
Silt	scalar	*Visual NONE	NONE	NONE	NONE
Debris	scalar	*Visual NONE	MODER	LIGHT	LIGHT
Sand/Dirt	scalar	*Visual NONE	NONE	NONE	NONE
Appearance	scalar	*Visual NORML	NORML	NORML	NORML
Odor	scalar	*Visual NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual >0.1	NEG	0.2%	NEG
Free Water	scalar	*Visual	NEG	0.1%	NEG

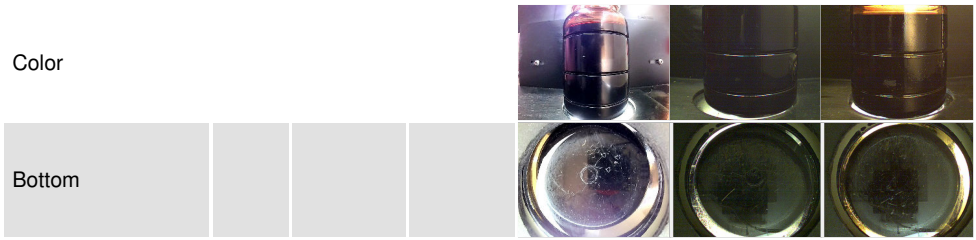


OIL ANALYSIS REPORT

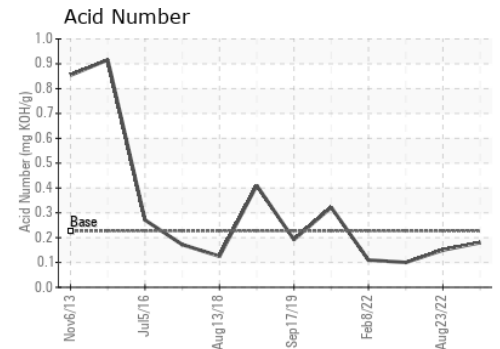
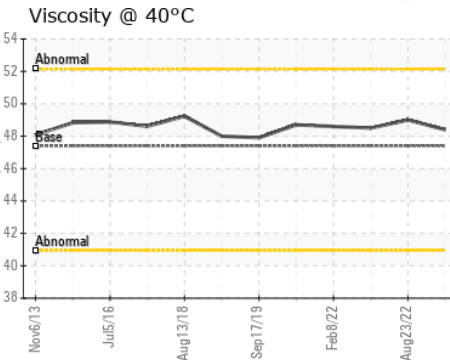
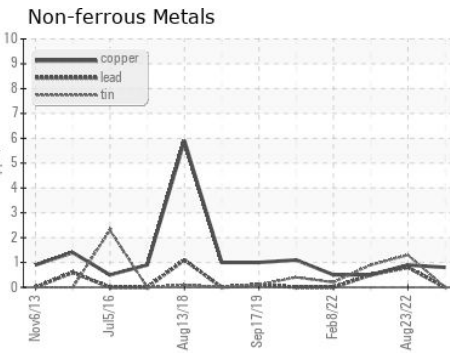
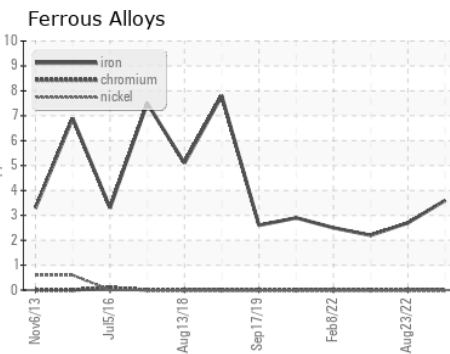


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	47.4	48.4	49.0	48.5

SAMPLE IMAGES		method	limit/base	current	history1	history2
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GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCH05934898 **Received** : 25 Aug 2023
Lab Number : 05934898 **Diagnosed** : 28 Aug 2023
Unique Number : 10620169 **Diagnostician** : Don Baldrige
Test Package : IND 2

AIR TECHNOLOGIES INC (CLE)
 6500 DAVIS INDUSTRIAL PARKWAY
 CLEVELAND, OH
 US 44139
 Contact: CHRIS HINDERER
 CHRIS.HINDERERE@AIRCOMPRESSORS.COM
 T:
 F: (440)349-0608

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)