



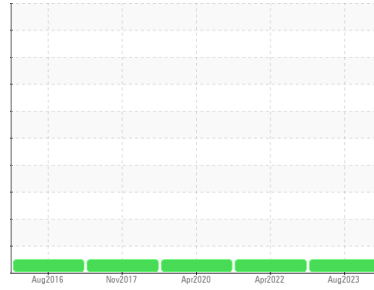
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
AIRLUBE 268 [1378842]
 Machine Id
ATLAS COPCO 10CA-CMP-100A - SEWARD PP NRG (S/N AIF118557)
 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			UCH05936223	UCH05536449	UCH04970372
Sample Date	Client Info			11 Aug 2023	18 Apr 2022	14 Apr 2020
Machine Age	hrs	Client Info		0	0	97530
Oil Age	hrs	Client Info		0	0	8000
Oil Changed	Client Info			Changed	Changed	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	0	<1
Chromium	ppm	ASTM D5185m	>5	0	0	0
Nickel	ppm	ASTM D5185m		<1	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>15	0	0	0
Lead	ppm	ASTM D5185m	>65	<1	0	0
Copper	ppm	ASTM D5185m	>65	1	0	0
Tin	ppm	ASTM D5185m	>10	0	<1	0
Antimony	ppm	ASTM D5185m		---	---	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0.6	0	0	<1
Barium	ppm	ASTM D5185m	0.1	2	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m	0.4	0	0	<1
Magnesium	ppm	ASTM D5185m	0	<1	0	<1
Calcium	ppm	ASTM D5185m	0	12	0	3
Phosphorus	ppm	ASTM D5185m	337	291	224	204
Zinc	ppm	ASTM D5185m	0.1	<1	0	0
Sulfur	ppm	ASTM D5185m	1096	886	572	327

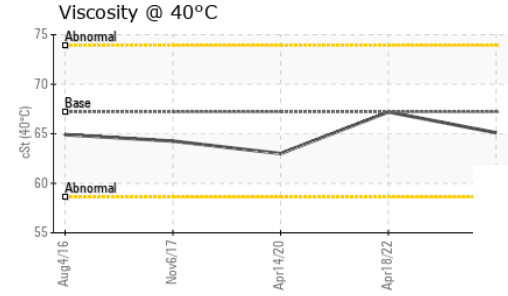
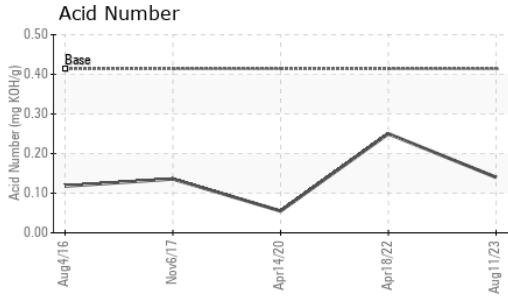
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	<1	<1	<1
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	<1	0	0

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.414	0.14	0.25	0.055

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	LIGHT	NONE	NONE
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	NONE	NONE	NONE
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	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

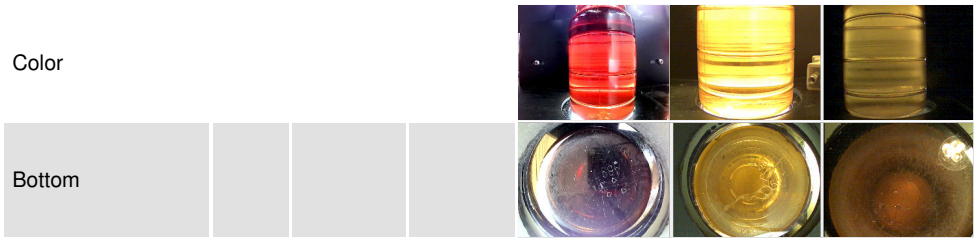


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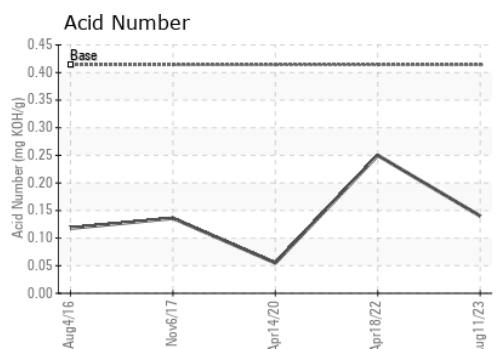
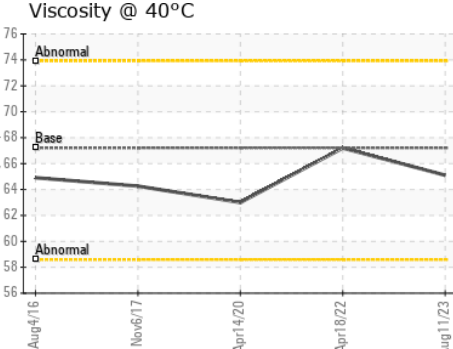
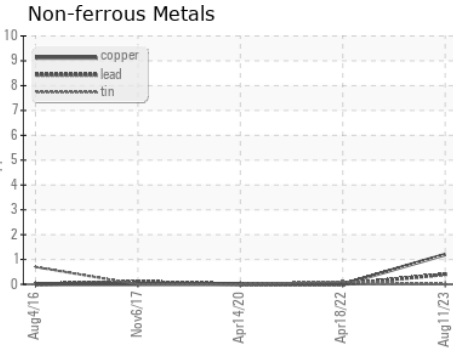
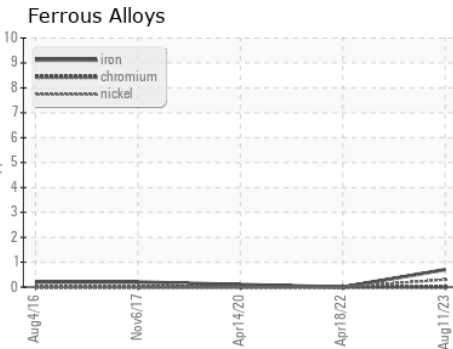


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	67.21	65.1	67.2	63.0

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. : UCH05936223 **Received** : 28 Aug 2023
Lab Number : 05936223 **Diagnosed** : 29 Aug 2023
Unique Number : 10621494 **Diagnostician** : Don Baldrige
Test Package : IND 2

AIR TECHNOLOGIES INC (PIT)
 310 PLUM INDUSTRIAL CT
 PITTSBURGH, PA
 US 15239
 Contact: MIKE STRAZZERA
 mike.strazzera@aircompressors.com
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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)