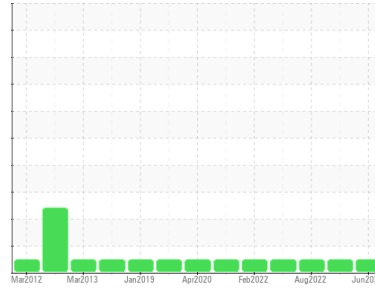




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
AIRLUBE 268 [1378861]
 Machine Id
ATLAS COPCO 12AH BLO 502B - NRG SEWARD (S/N AIF117421)
 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		UCH05901352	UCH05813478	UCH05613899
Sample Date	Client Info		28 Jun 2023	27 Mar 2023	02 Aug 2022
Machine Age	hrs	Client Info	0	95669	91875
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			NORMAL	NORMAL	NORMAL

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	>50	0	0	2
Chromium	ppm	ASTM D5185m	>5	0	0	0
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>15	2	0	<1
Lead	ppm	ASTM D5185m	>65	0	0	0
Copper	ppm	ASTM D5185m	>65	0	0	0
Tin	ppm	ASTM D5185m	>10	0	0	<1
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	0
Barium	ppm	ASTM D5185m	0.1	0	<1	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m	0.4	0	<1	0
Magnesium	ppm	ASTM D5185m	0	0	3	0
Calcium	ppm	ASTM D5185m	0	0	2	0
Phosphorus	ppm	ASTM D5185m	337	253	275	251
Zinc	ppm	ASTM D5185m	0.1	0	<1	0
Sulfur	ppm	ASTM D5185m	1096	1378	1494	1383

CONTAMINANTS

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

FLUID DEGRADATION

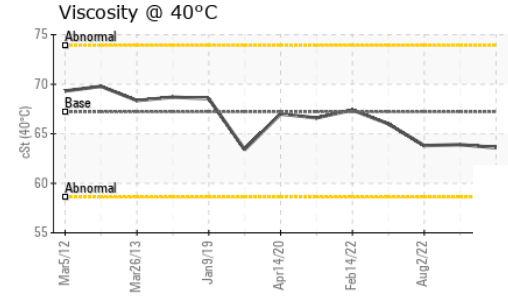
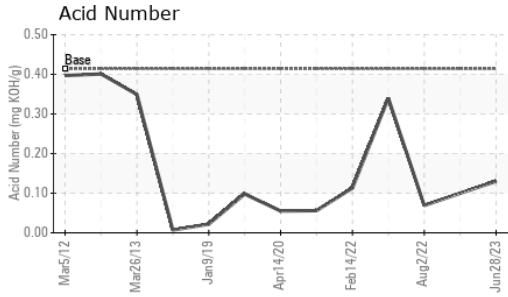
	method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045	0.414	0.13	0.10	0.069

VISUAL

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

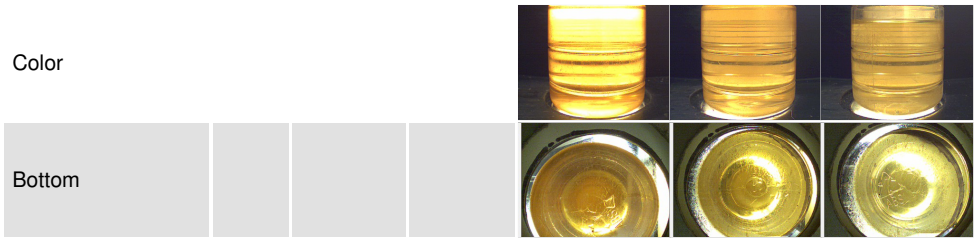


OIL ANALYSIS REPORT

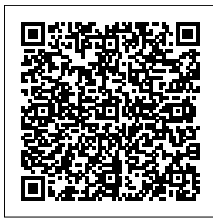
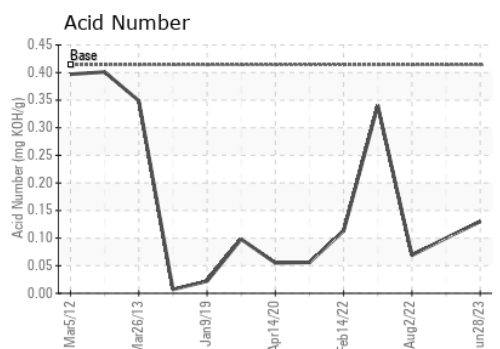
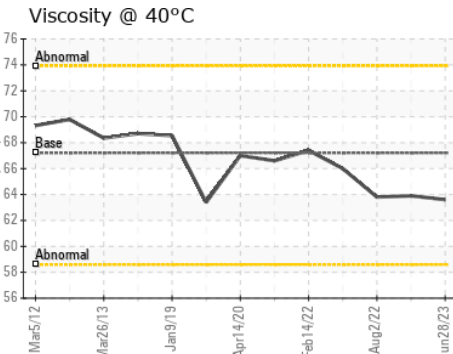
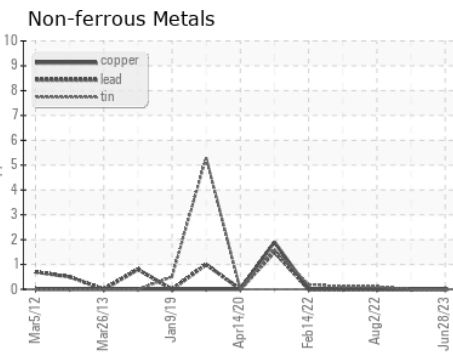
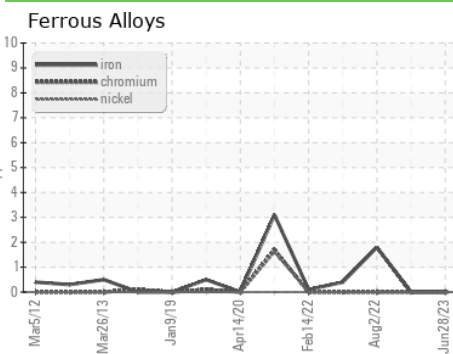


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	67.21	63.6	63.9	63.8

SAMPLE IMAGES		method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCH05901352 **Received** : 18 Jul 2023
Lab Number : **05901352** **Diagnosed** : 20 Jul 2023
Unique Number : 10562708 **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
 T: (724)327-2818
 F: (412)788-4799

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)