



OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area

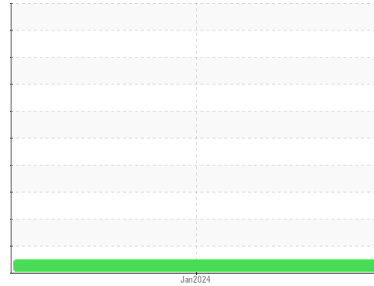
CS-46 [PM6-1916985]

Machine Id

ATLAS COPCO API834679 - ICOM MECANICAL-APPLE

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		UCH06077022	---	---
Sample Date	Client Info		11 Jan 2024	---	---
Machine Age	hrs	Client Info	18012	---	---
Oil Age	hrs	Client Info	922	---	---
Oil Changed	Client Info		Not Chngd	---	---
Sample Status			NORMAL	---	---

CONTAMINATION

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

WEAR METALS

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

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 1.5	0	---	---
Barium	ppm	ASTM D5185m 0	<1	---	---
Molybdenum	ppm	ASTM D5185m 0	0	---	---
Manganese	ppm	ASTM D5185m 0.3	<1	---	---
Magnesium	ppm	ASTM D5185m 0	<1	---	---
Calcium	ppm	ASTM D5185m 0	<1	---	---
Phosphorus	ppm	ASTM D5185m 406	183	---	---
Zinc	ppm	ASTM D5185m 0	6	---	---
Sulfur	ppm	ASTM D5185m 1283	852	---	---

CONTAMINANTS

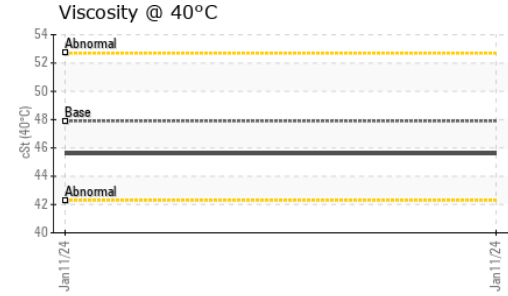
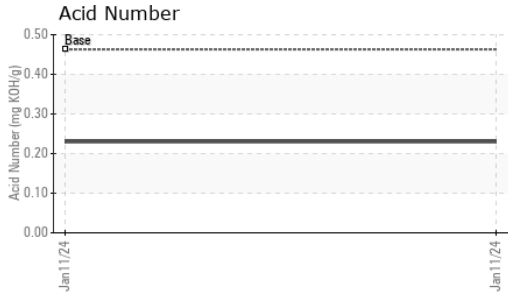
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >35	3	---	---
Sodium	ppm	ASTM D5185m	0	---	---
Potassium	ppm	ASTM D5185m >20	0	---	---

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.463	0.23	---	---



OIL ANALYSIS REPORT



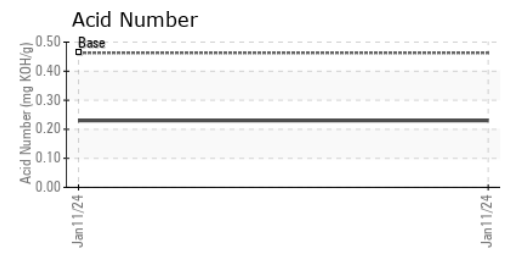
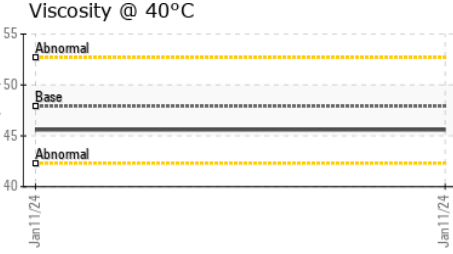
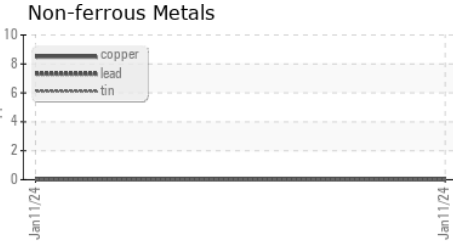
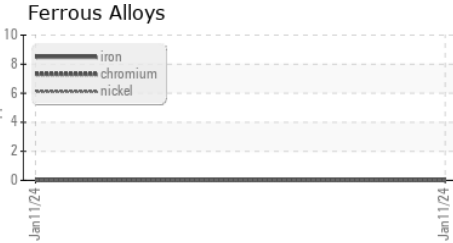
PROPERTY	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar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

PROPERTY	method	limit/base	current	history1	history2
FLUID PROPERTIES					
Visc @ 40°C	cSt	ASTM D445	47.9	45.6	---

PROPERTY	method	limit/base	current	history1	history2
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PROPERTY	method	limit/base	current	history1	history2
SAMPLE IMAGES					
Color				no image	no image
Bottom				no image	no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : UCH06077022 Recieved : 01 Feb 2024
 Lab Number : 06077022 Diagnosed : 02 Feb 2024
 Unique Number : 10859113 Diagnostician : Don Baldrige
 Test Package : IND 2

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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)