



OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area

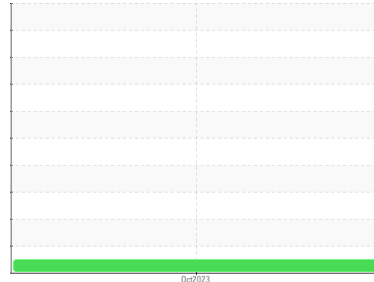
AIRLUBE 228 [1398356]

Machine Id

ATLAS COPCO API621-842 - SANOH-ARCHBOLD

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	UCH06009120	---	---
Sample Date	Client Info	19 Oct 2023	---	---
Machine Age	hrs Client Info	25813	---	---
Oil Age	hrs Client Info	1434	---	---
Oil Changed	Client Info	Not Chngd	---	---
Sample Status		NORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm	ASTM D5185m >50	1	---	---
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	8	---	---
Lead ppm	ASTM D5185m >65	0	---	---
Copper ppm	ASTM D5185m >65	<1	---	---
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	6	---	---
Molybdenum ppm	ASTM D5185m 0	0	---	---
Manganese ppm	ASTM D5185m 0.3	0	---	---
Magnesium ppm	ASTM D5185m 0	0	---	---
Calcium ppm	ASTM D5185m 0	0	---	---
Phosphorus ppm	ASTM D5185m 406	154	---	---
Zinc ppm	ASTM D5185m 0	16	---	---
Sulfur ppm	ASTM D5185m 1283	0	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm	ASTM D5185m >35	0	---	---
Sodium ppm	ASTM D5185m	0	---	---
Potassium ppm	ASTM D5185m >20	2	---	---

FLUID DEGRADATION

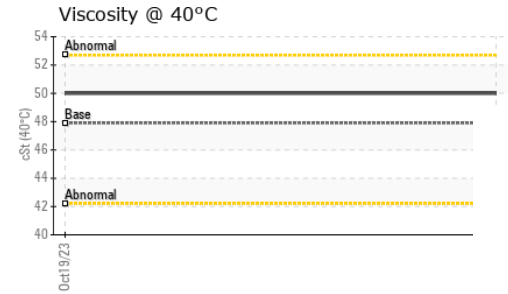
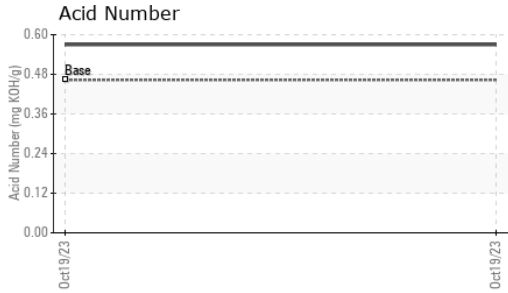
method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g	ASTM D8045 0.463	0.57	---	---

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	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	---	---



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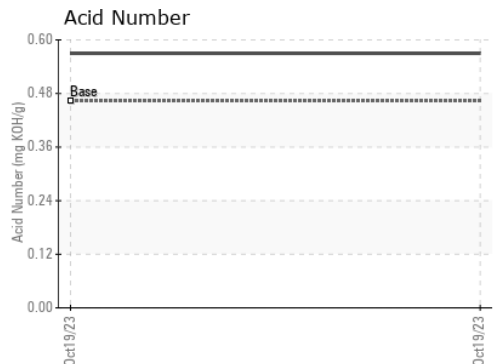
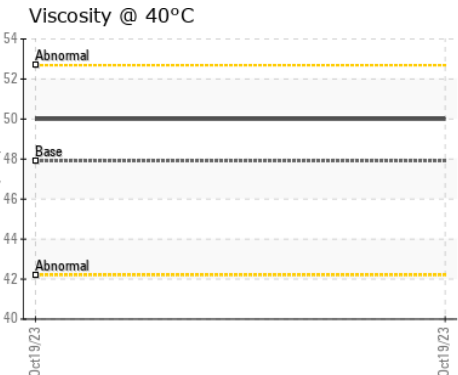
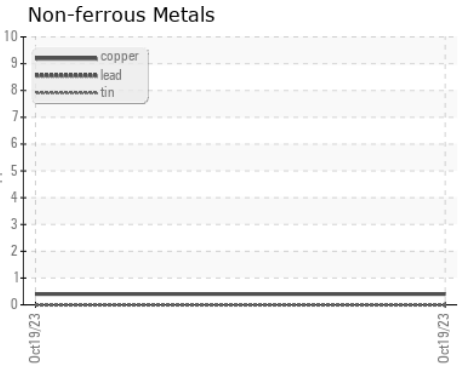
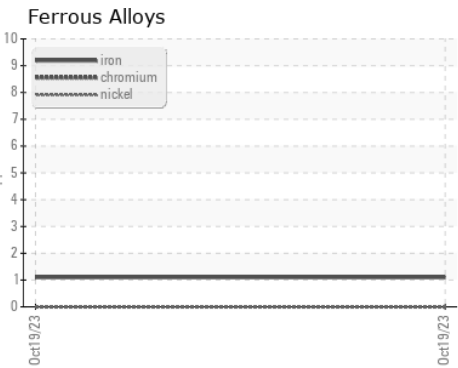
FLUID PROPERTIES

method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445 47.9	50.0	---	---

SAMPLE IMAGES

method	limit/base	current	history1	history2
Color			no image	no image
Bottom			no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : UCH06009120 Received : 15 Nov 2023
 Lab Number : 06009120 Diagnosed : 17 Nov 2023
 Unique Number : 10742882 Diagnostician : Angela Borella
 Test Package : IND 2

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 MIDDLETOWN, OH
 US 45044
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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)