



OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION
ABNORMAL
NORMAL

Area
NOT GIVEN
Machine Id
ATLAS COPCO AIF060613 - TULSA CEMENT PLANT AIR 3
Component
Compressor

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

The iron level is abnormal. All other component wear rates are normal.

CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

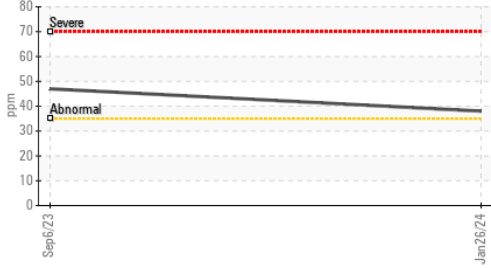
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		UCH06077013	UCH05948146	---
Sample Date		Client Info		26 Jan 2024	06 Sep 2023	---
Machine Age	hrs	Client Info		109961	108678	---
Oil Age	hrs	Client Info		8000	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	N/A	---
Filter Changed		Client Info		Changed	N/A	---
Sample Status				ABNORMAL	ABNORMAL	---

Iron	ppm	ASTM D5185m	>50	▲ 58	46	---
Chromium	ppm	ASTM D5185m	>5	<1	<1	---
Nickel	ppm	ASTM D5185m		<1	<1	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>15	▲ 13	▲ 13	---
Lead	ppm	ASTM D5185m	>65	<1	0	---
Copper	ppm	ASTM D5185m	>65	11	9	---
Tin	ppm	ASTM D5185m	>10	2	6	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

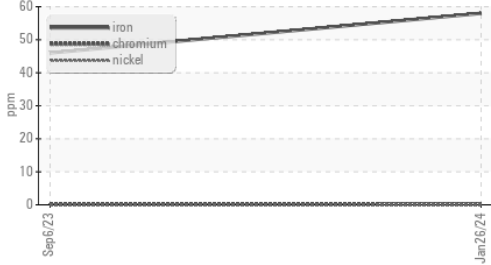
Silicon	ppm	ASTM D5185m	>35	▲ 38	▲ 47	---
Potassium	ppm	ASTM D5185m	>20	11	13	---
Water		WC Method	>0.1	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	MODER	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	---

Sodium	ppm	ASTM D5185m		16	18	---
Boron	ppm	ASTM D5185m		0	0	---
Barium	ppm	ASTM D5185m		469	593	---
Molybdenum	ppm	ASTM D5185m		0	0	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m		7	7	---
Calcium	ppm	ASTM D5185m		324	404	---
Phosphorus	ppm	ASTM D5185m		155	43	---
Zinc	ppm	ASTM D5185m		12	0	---
Sulfur	ppm	ASTM D5185m		693	679	---
Acid Number (AN)	mg KOH/g	ASTM D8045		0.34	0.19	---
Visc @ 40°C	cSt	ASTM D445		49.3	52.6	---

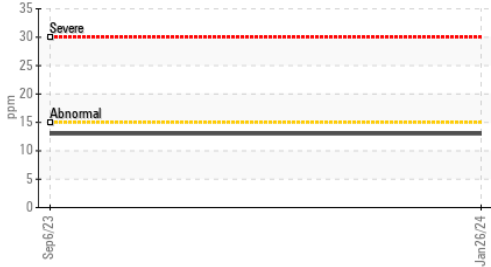
▲ Silicon (ppm)



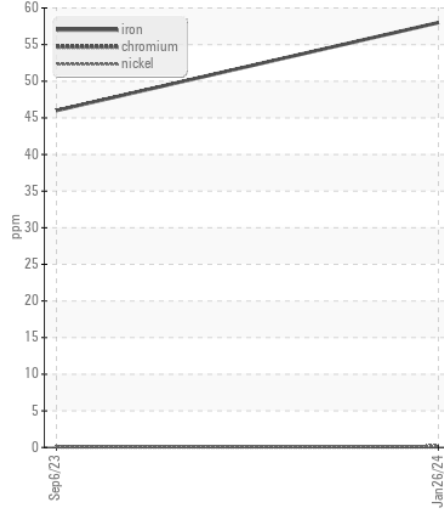
▲ Ferrous Alloys



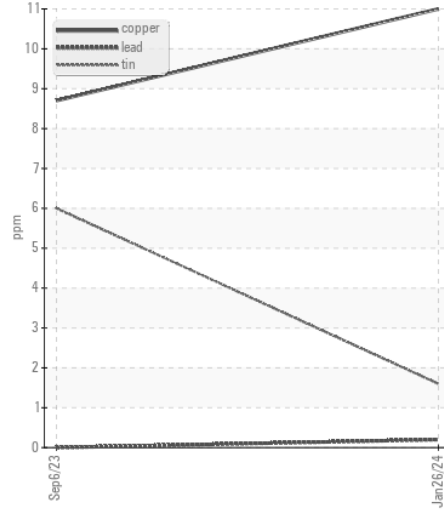
▲ Aluminum (ppm)



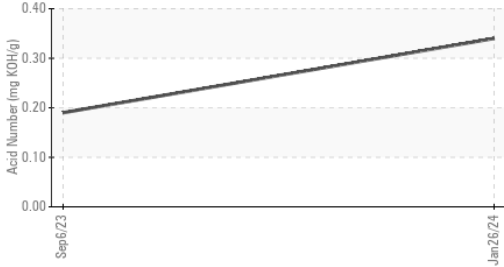
▲ Ferrous Alloys



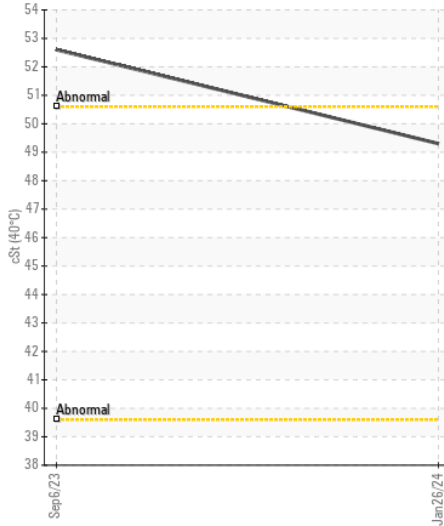
Non-ferrous Metals



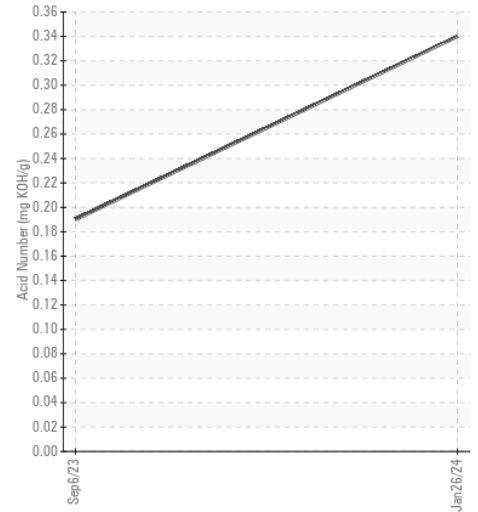
Acid Number



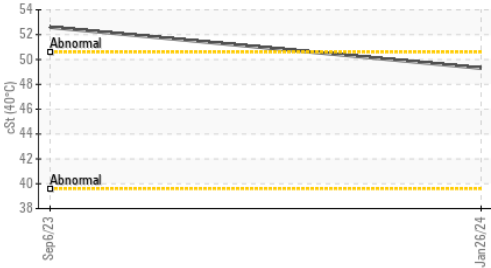
Viscosity @ 40°C



Acid Number



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCH06077013 **Received** : 01 Feb 2024
Lab Number : 06077013 **Diagnosed** : 02 Feb 2024
Unique Number : 10859104 **Diagnostician** : Don Baldrige
Test Package : IND 2

GREEN COUNTY COMPRESSOR SERVICE
 11974 E 530 RD
 CLAREMORE, OK
 US 74019
 Contact: ASHLEY PIGUET
 ashley@gccs.us.com
 T: (918)906-6343
 F:

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)