



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION



Area
ATLAS COPCO HD ROTO FLUID [1398326]
Machine Id
ATLAS COPCO API612-639 - MEGGITT
Component
Compressor

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		UCH06000590	UCH03431509	---
Sample Date		Client Info		09 Oct 2023	15 Jan 2014	---
Machine Age	hrs	Client Info		38622	5276	---
Oil Age	hrs	Client Info		8000	5276	---
Filter Age	hrs	Client Info		4100	0	---
Oil Changed		Client Info		Changed	N/A	---
Filter Changed		Client Info		Changed	N/A	---
Sample Status				ATTENTION	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	0	<1	---
Chromium	ppm	ASTM D5185m	>10	0	0	---
Nickel	ppm	ASTM D5185m		0	0	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	4	0	---
Lead	ppm	ASTM D5185m	>25	0	0	---
Copper	ppm	ASTM D5185m	>50	0	<1	---
Tin	ppm	ASTM D5185m	>15	0	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

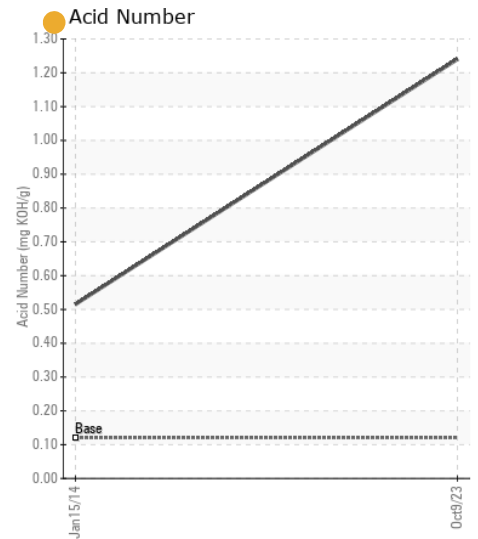
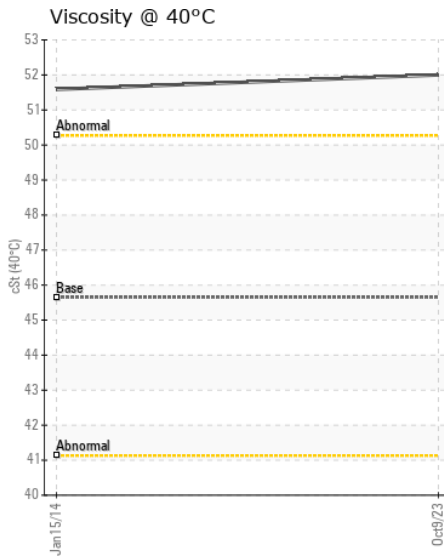
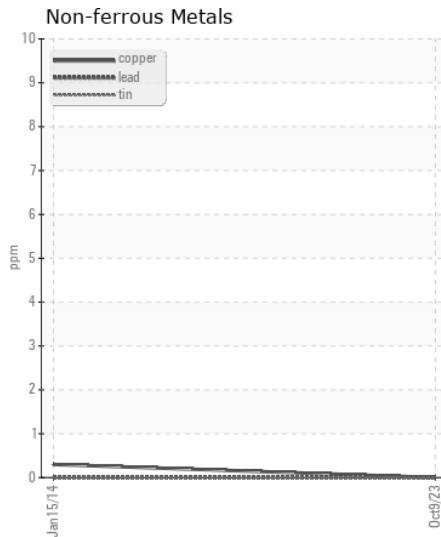
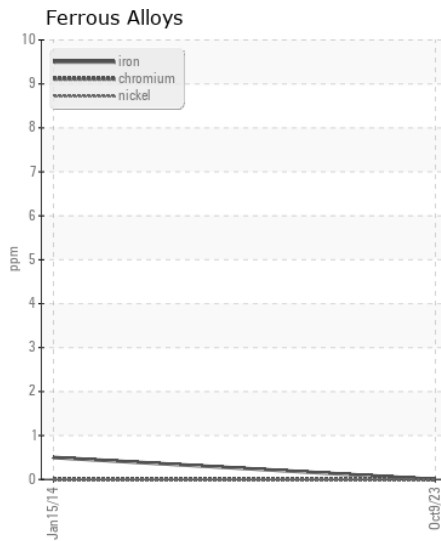
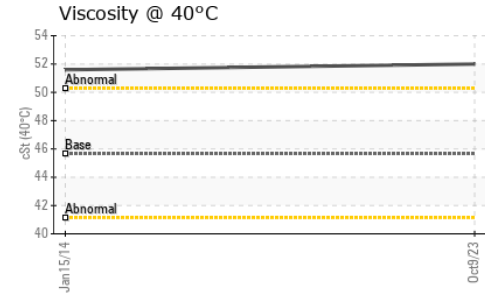
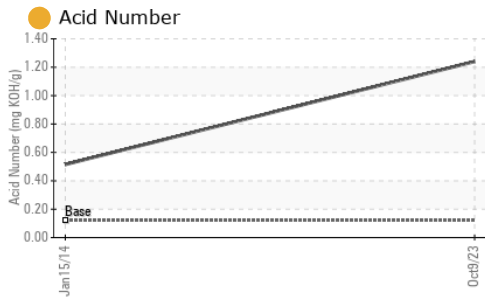
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	0	0	---
Potassium	ppm	ASTM D5185m	>20	<1	<1	---
Water		WC Method	>0.1	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
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	---

FLUID CONDITION

The AN level is at the top-end of the recommended limit.

Sodium	ppm	ASTM D5185m		2	2	---
Boron	ppm	ASTM D5185m		0	0	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		0	0	---
Manganese	ppm	ASTM D5185m		0	0	---
Magnesium	ppm	ASTM D5185m	6	0	0	---
Calcium	ppm	ASTM D5185m	750	0	0	---
Phosphorus	ppm	ASTM D5185m	60	182	27	---
Zinc	ppm	ASTM D5185m	50	6	52	---
Sulfur	ppm	ASTM D5185m		234	88	---
Acid Number (AN)	mg KOH/g	ASTM D8045	0.12	1.24	0.515	---
Visc @ 40°C	cSt	ASTM D445	45.65	52.0	51.59	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCH06000590
Lab Number : 06000590
Unique Number : 10728950
Test Package : IND 2

Received : 07 Nov 2023
Tested : 09 Nov 2023
Diagnosed : 09 Nov 2023 - Don Baldrige

AIR TECHNOLOGIES INC (CLE)
 6500 DAVIS INDUSTRIAL PARKWAY
 CLEVELAND, OH
 US 44139

Contact: DERRICK PAES
 DPAES@AIRCOMPRESSORS.COM

T: (440)349-3900
 F: (440)349-0608

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)