



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	ABNORMAL

Machine Id
ATLAS COPCO AIR COMP 2 (S/N APF254769)

Component
Air Compressor

Fluid
ATLAS COPCO ROTO XTEND (--- GAL)

RECOMMENDATION

The oil is near the end of it's useful service life and we recommend schedule an oil change. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		USP201474	USPM19594	USPM26403
Sample Date		Client Info		23 Jun 2024	25 Apr 2024	16 Jan 2024
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	SEVERE

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>70	11	2	9
Chromium	ppm	ASTM D5185m	>15	<1	0	0
Nickel	ppm	ASTM D5185m	>6	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>10	0	0	5
Lead	ppm	ASTM D5185m	>20	<1	0	0
Copper	ppm	ASTM D5185m	>80	4	2	7
Tin	ppm	ASTM D5185m	>15	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

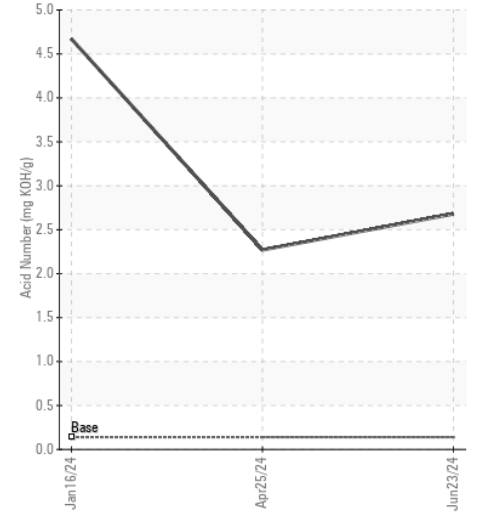
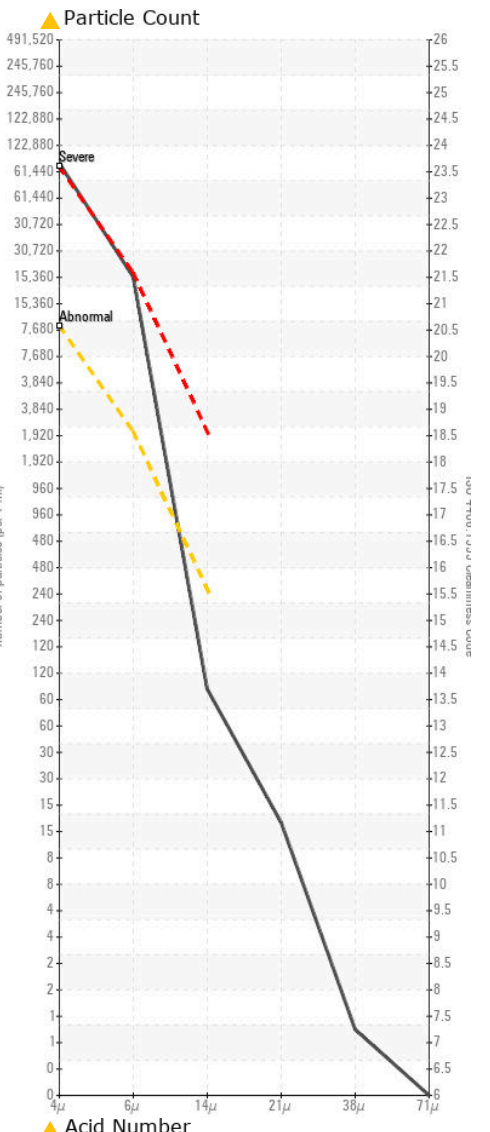
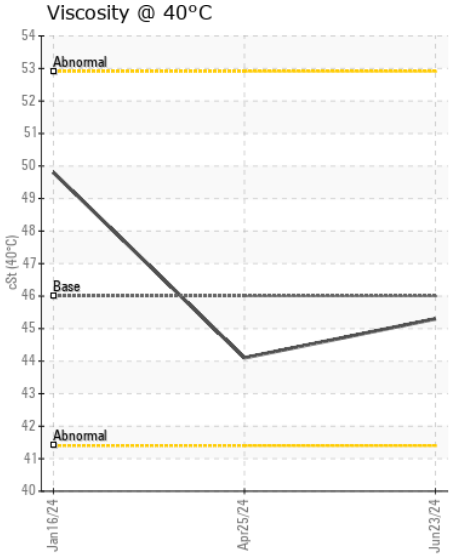
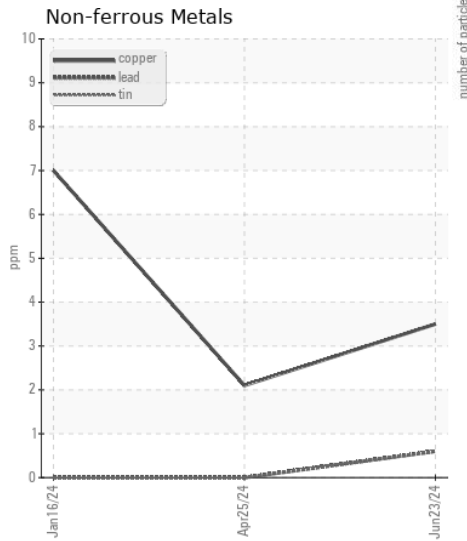
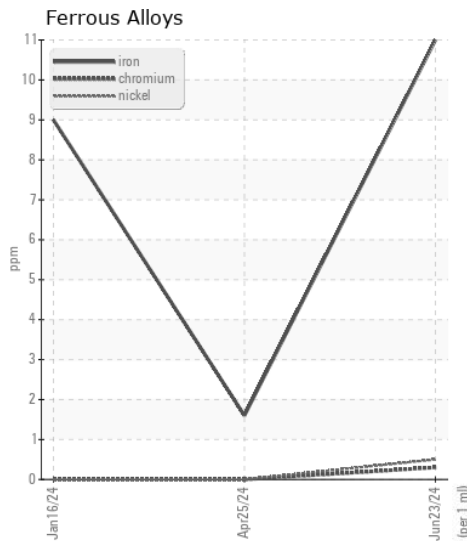
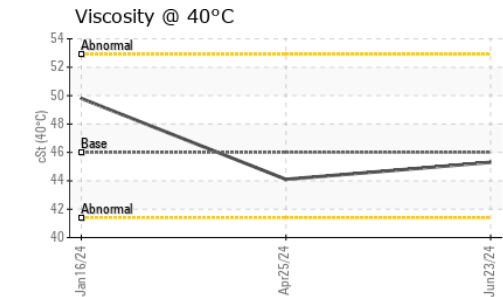
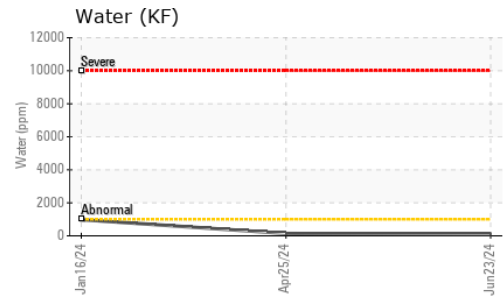
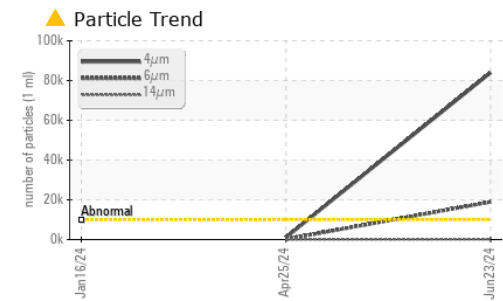
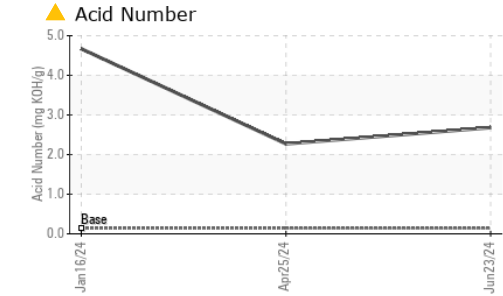
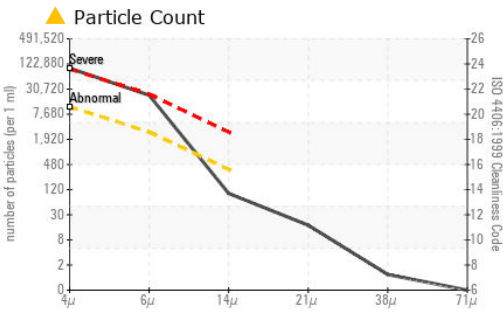
There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Silicon	ppm	ASTM D5185m	>12	<1	0	0
Potassium	ppm	ASTM D5185m	>20	2	0	<1
Water	%	ASTM D6304	>0.1	0.010	0.014	0.098
ppm Water	ppm	ASTM D6304	>1000	110	143	980
Particles >4µm		ASTM D7647	>10000	▲ 83963	1000	---
Particles >6µm		ASTM D7647	>2500	▲ 18934	169	---
Particles >14µm		ASTM D7647	>320	86	14	---
Particles >21µm		ASTM D7647	>80	15	5	---
Particles >38µm		ASTM D7647	>20	1	1	---
Particles >71µm		ASTM D7647	>4	0	0	---
Oil Cleanliness		ISO 4406 (c)	>20/18/15	▲ 24/21/14	17/15/11	---
Silt	scalar	*Visual	NONE	NONE	NONE	▲ MODER
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
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	0.2%

FLUID CONDITION

The AN level is above the recommended limit. Confirmed.

Sodium	ppm	ASTM D5185m		0	0	6
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		1	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m		<1	0	2
Calcium	ppm	ASTM D5185m		0	0	1
Phosphorus	ppm	ASTM D5185m		261	355	291
Zinc	ppm	ASTM D5185m		16	0	75
Sulfur	ppm	ASTM D5185m		349	1001	472
Acid Number (AN)	mg KOH/g	ASTM D8045	0.14	▲ 2.68	▲ 2.27	▲ 4.67
Visc @ 40°C	cSt	ASTM D445	46	45.3	44.1	49.8



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : USP201474
Lab Number : 06218808
Unique Number : 11097005
Test Package : IND 2
Received : 24 Jun 2024
Tested : 26 Jun 2024
Diagnosed : 26 Jun 2024 - Doug Bogart

TYSON -GOODLETTSVILLE-USP
 201 CARTWRIGHT STREET
 GOODLETTSVILLE, TN
 US 37072
 Contact: JOHN BAKER

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)

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