



WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Machine Id
ATLAS COPCO WUX585488 - WHEEL PRO 360

Component
Compressor

Fluid
QUINCY QUINSYN (--- GAL)

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		QUC0000695	QUC0000517	QUC0000440
Sample Date		Client Info		03 Apr 2024	27 Sep 2023	10 May 2023
Machine Age	hrs	Client Info		16345	14941	12601
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Filter Changed		Client Info		Changed	Not Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ATTENTION	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	5	3	2
Chromium	ppm	ASTM D5185m	>5	0	0	<1
Nickel	ppm	ASTM D5185m		0	0	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>15	<1	1	<1
Lead	ppm	ASTM D5185m	>65	0	0	0
Copper	ppm	ASTM D5185m	>65	2	<1	<1
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

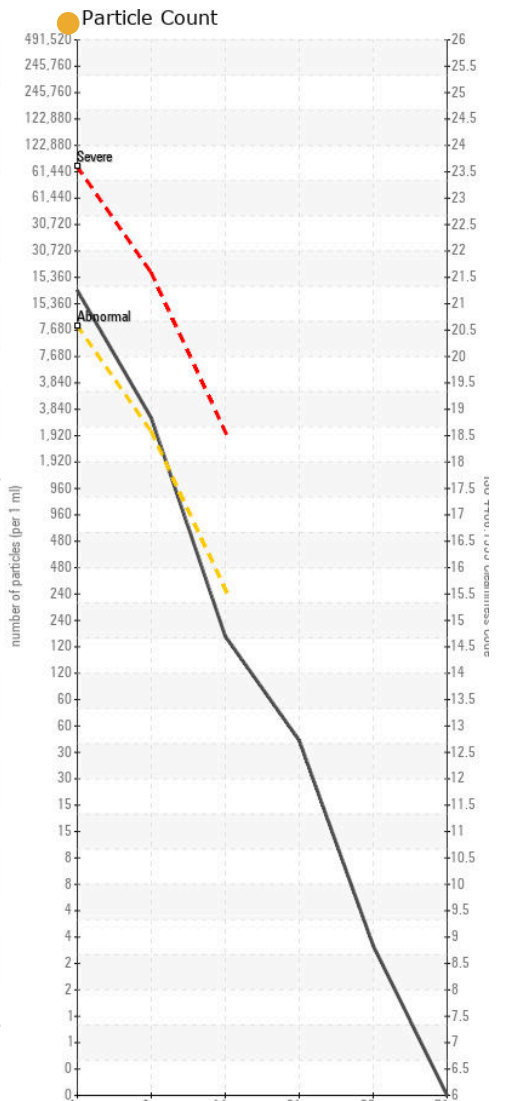
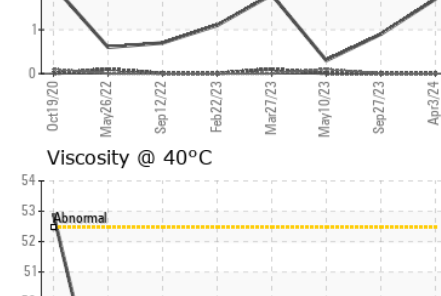
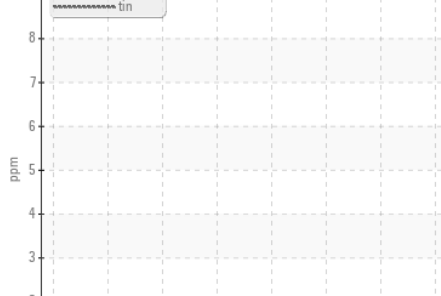
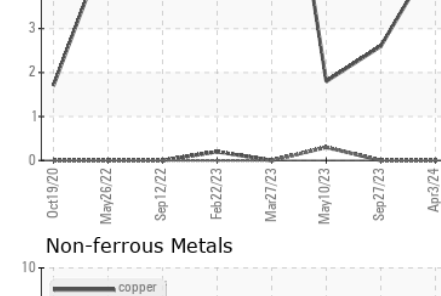
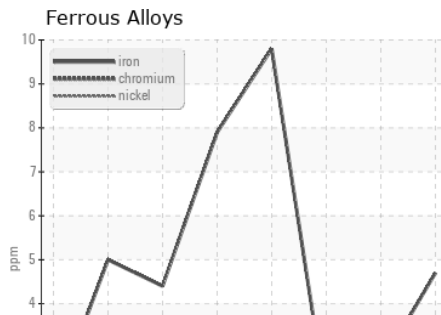
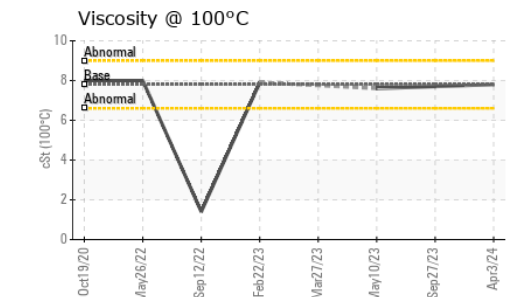
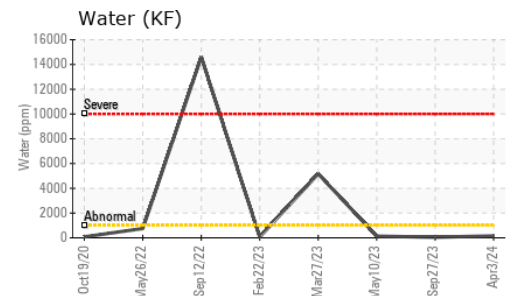
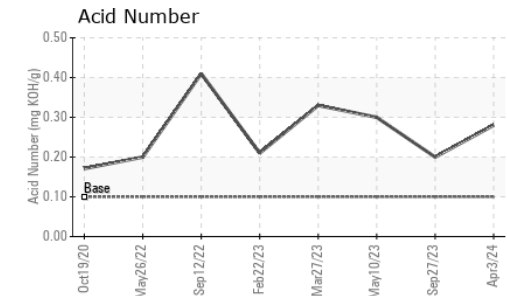
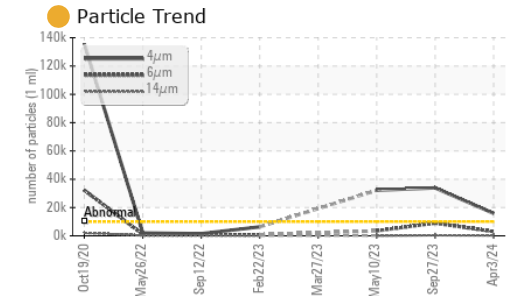
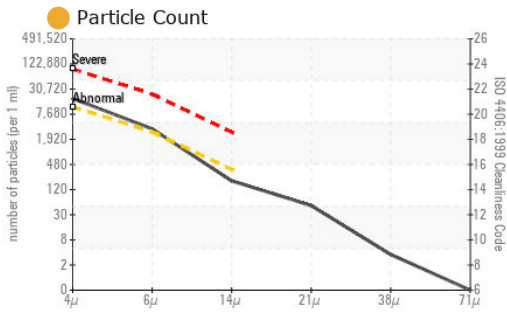
There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Silicon	ppm	ASTM D5185m	>35	3	3	2
Potassium	ppm	ASTM D5185m	>20	<1	<1	2
Water	%	ASTM D6304	>0.1	0.016	0.004	0.013
ppm Water	ppm	ASTM D6304	>1000	162	45.9	137.2
Particles >4µm		ASTM D7647	>10000	15871	33883	32198
Particles >6µm		ASTM D7647	>2500	2988	8992	3468
Particles >14µm		ASTM D7647	>320	172	418	86
Particles >21µm		ASTM D7647	>80	44	83	19
Particles >38µm		ASTM D7647	>20	3	2	0
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	21/19/15	22/20/16	22/19/14
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
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	NEG

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		4	4	6
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	2
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		<1	<1	10
Calcium	ppm	ASTM D5185m		<1	2	<1
Phosphorus	ppm	ASTM D5185m		144	131	142
Zinc	ppm	ASTM D5185m		486	409	85
Sulfur	ppm	ASTM D5185m		1401	1094	1200
Acid Number (AN)	mg KOH/g	ASTM D8045	.10	0.28	0.20	0.30
Visc @ 40°C	cSt	ASTM D445	44.6	44.6	44.3	43.7
Visc @ 100°C	cSt	ASTM D445	7.8	7.8	7.7	7.6
Viscosity Index (VI)	Scale	ASTM D2270	132	145	142	142



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : QUC0000695 **Received** : 25 Apr 2024
Lab Number : 06160346 **Tested** : 26 Apr 2024
Unique Number : 10995769 **Diagnosed** : 27 Apr 2024 - Don Baldrige
Test Package : IND 2 (Additional Tests: KF, KV100, PrtCount, VI)
 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)

QUALITY COMPRESSOR
 4428 CR 616
 ALVARADO, TX
 US 76009
 Contact: SEAN
 SEAN@QCOMPRESSOR.COM
 T: (817)822-1333
 F: