



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Area
SB5
Machine Id
ATLAS COPCO 1023898 SB5 compressor (S/N AP1302157)
Component
Oil
Fluid
ATLAS COPCO ROTO INJECT FLUID (7 LTR)

RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill.
Resample at the next service interval to monitor. (Customer Sample
Comment: Check for metal fragments, we are waiting on filters and will change based on this test.)

WEAR

All component wear rates are normal.

CONTAMINATION

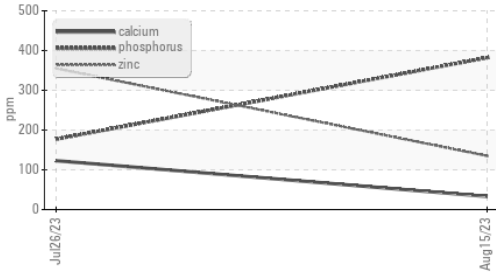
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

FLUID CONDITION

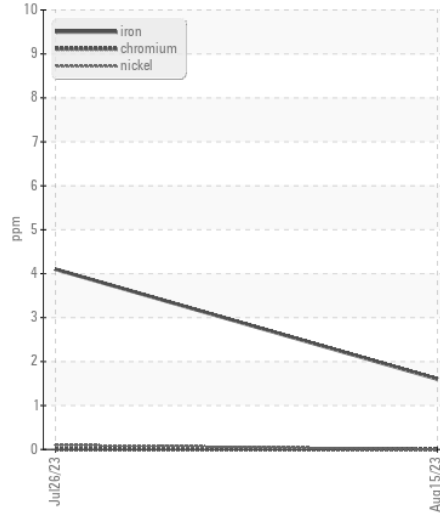
Additive levels indicate the addition of a different brand, or type of oil.
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0776669	LH	---
Sample Date		Client Info		15 Aug 2023	26 Jul 2023	---
Machine Age	mths	Client Info		0	0	---
Oil Age	mths	Client Info		3	3	---
Filter Age	mths	Client Info		0	0	---
Oil Changed		Client Info		N/A	N/A	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ATTENTION	ABNORMAL	---
Iron	ppm	ASTM D5185(m)		2	4	---
Chromium	ppm	ASTM D5185(m)		0	0	---
Nickel	ppm	ASTM D5185(m)		0	<1	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)		<1	<1	---
Lead	ppm	ASTM D5185(m)		<1	0	---
Copper	ppm	ASTM D5185(m)		<1	<1	---
Tin	ppm	ASTM D5185(m)		0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	NONE	▲ VLITE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185(m)		0	<1	---
Potassium	ppm	ASTM D5185(m)	>20	<1	1	---
Water		WC Method		NEG	NEG	---
Particles >4µm		ASTM D7647	>5000	2122	▲ 11190	---
Particles >6µm		ASTM D7647	>1300	427	▲ 2628	---
Particles >14µm		ASTM D7647	>160	41	▲ 212	---
Particles >21µm		ASTM D7647	>40	15	▲ 65	---
Particles >38µm		ASTM D7647	>10	1	4	---
Particles >71µm		ASTM D7647	>3	0	1	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	18/16/13	▲ 21/19/15	---
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	VLITE	VLITE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*		NEG	NEG	---
Sodium	ppm	ASTM D5185(m)		6	13	---
Boron	ppm	ASTM D5185(m)		<1	<1	---
Barium	ppm	ASTM D5185(m)		<1	1	---
Molybdenum	ppm	ASTM D5185(m)		0	0	---
Manganese	ppm	ASTM D5185(m)		0	0	---
Magnesium	ppm	ASTM D5185(m)		<1	2	---
Calcium	ppm	ASTM D5185(m)	1000	▲ 33	▲ 123	---
Phosphorus	ppm	ASTM D5185(m)	510	▲ 382	▲ 177	---
Zinc	ppm	ASTM D5185(m)	590	▲ 135	▲ 355	---
Sulfur	ppm	ASTM D5185(m)		▲ 838	▲ 993	---
Acid Number (AN)	mg KOH/g	ASTM D974*	0.95	0.29	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	46	52.2	49.8	---

Additives



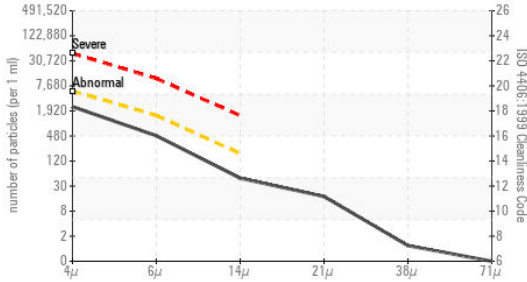
Ferrous Alloys



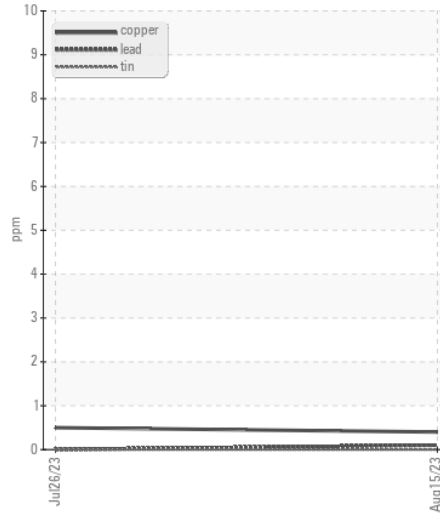
Particle Filter (Magn; 100 x)



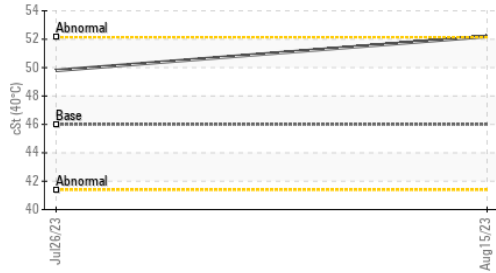
Particle Count



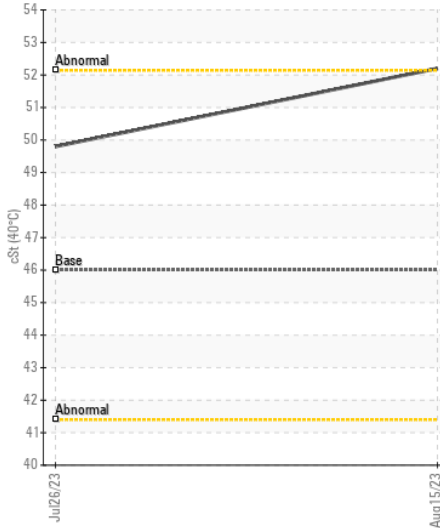
Non-ferrous Metals



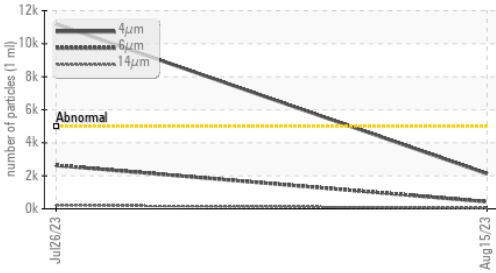
Viscosity @ 40°C



Viscosity @ 40°C



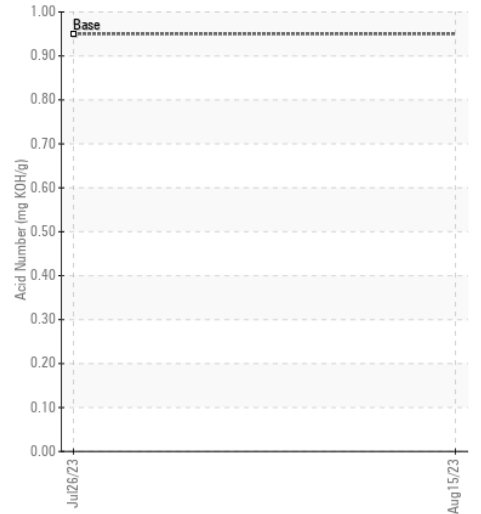
Particle Trend



Acid Number



Acid Number



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **Watch Tower Bible and Tract Society of Canada**
Sample No. : WC0776669 **Received** : 17 Aug 2023 **13893 Highway 7**
Lab Number : 02576423 **Diagnosed** : 24 Aug 2023 **Georgetown, ON**
Unique Number : 5629483 **Diagnostician** : Kevin Marson **CA L7G 4S4**
Test Package : IND 2 (Additional Tests: BottomAnalysis, FILTERPATCH, PriCount, PriFilter, TAN, TBN) **Contact: Purchasing Department**

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.

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