

OIL ANALYSIS REPORT

ATLAS COPCO AC-122-2 - B67180 (S/N APF237892)

South Compressor Fluid

ATLAS COPCO ROTO Z FLUID (--- GAL)

DIAGNOSIS

Machine Id

Recommendation

Resample at the next service interval to monitor.

Wear

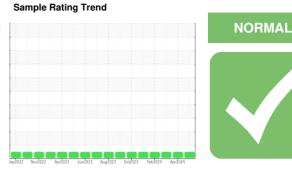
All component wear rates are normal.

Contamination

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Fluid Condition

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



Sample Number Client Info INC0921401 WC0921397 WC0826815 Sample Date Client Info I3 May 2024 15 Apr 2024 19 Mar 2024 Machine Age hrs Client Info 19 37 18708 18072 Oil Age Client Info Nort Changd NA Nort Changd Sample Status I Intelhod Nort Changd NoRMAL NoRMAL CONTAMINATION method Intifbase current History History Water WC Metho >0.1 NEG NEG NEG Inon ppm ASTM 051555 So 0 -1 0 Nickel ppm ASTM 051555 So 0 -1 0 Silver ppm ASTM 051555 So 0 -1 0 Silver ppm ASTM 051555 So 2 -1 0 Silver ppm ASTM 051555 So 2 -1 0 Copper ppm ASTM 051555 So 2 -1 0 Silver </th <th>SAMPLE INFORM</th> <th>IATION</th> <th>method</th> <th>limit/base</th> <th>current</th> <th>history1</th> <th>history2</th>	SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info 19377 18708 18072 Oil Age hrs Client Info 0 0 0 Oil Changed Client Info Not Changd N/A Not Changd Sample Status Imit/base current History1 History2 Water WC Method >0.1 NEG NEG NEG WEAR METALS method Imit/base current History1 History2 Iron ppm ASTM D5185m >50 0 <1 0 Nickel ppm ASTM D5185m >55 0 <1 0 Silver ppm ASTM D5185m >55 0 <1 0 Lead ppm ASTM D5185m >55 0 <1 0 Copper ppm ASTM D5185m >55 0 <1 0 Cadmium ppm ASTM D5185m 0 <1 0 0 Cadmium ppm	Sample Number		Client Info		WC0921401	WC0921397	WC0866815
Oil Age Inrs Client Info Not Changd N/A Not Changd Sample Status Image Client Info NORMAL NORMAL NORMAL CONTAMINATION method imit/base current history1 history2 Water WC Method >0.1 NEG NEG NEG WEAR METALS method imit/base current history1 history2 Iron ppm ASTM D5185m >50 0 <1 0 Othromium ppm ASTM D5185m >50 0 <1 0 Nickel ppm ASTM D5185m >55 0 <1 0 Aluminum ppm ASTM D5185m >65 2 <1 0 Aduminum ppm ASTM D5185m >65 2 <1 0 Aduminum ppm ASTM D5185m 0 <1 0 0 Aduminum ppm ASTM D5185m 0 <1 0 <	Sample Date		Client Info		13 May 2024	15 Apr 2024	19 Mar 2024
Oil Changed Sample Status Client Info Not Changd NORMAL N/A Not Changd NORMAL CONTAMINATION method imit/base current history1 history2 Water WC Method >0.1 NEG NEG NEG WEAR METALS method imit/base current history1 history2 Iron ppm ASTM D5185m >50 0 <1	Machine Age	hrs	Client Info		19377	18708	18072
Sample Status NORMAL NORMAL NORMAL NORMAL NORMAL CONTAMINATION method imit/base current history1 history2 Water WC Method >0.1 NEG NEG NEG NEG WEAR METALS method imit/base current history1 history2 Iron ppm ASTM D5185m >50 0 <1	Oil Age	hrs	Client Info		0	0	0
Sample Status NORMAL NORMAL NORMAL NORMAL NORMAL CONTAMINATION method imit/base current history1 history2 Water WC Method >0.1 NEG NEG NEG NEG WEAR METALS method imit/base current history1 history2 Iron ppm ASTM D5185m >50 0 <1	Oil Changed		Client Info		Not Changd	N/A	Not Changd
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Chromium ppm ASTM D5185m >5 0 <1	WEAR METALS						
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Titanium ppm ASTM D5185m 0 <1	Chromium	ppm	ASTM D5185m	>5	0		
Silver ppm ASTM D5185m 0 0 0 Aluminum ppm ASTM D5185m >15 0 2 0 Lead ppm ASTM D5185m >65 0 <1 0 Copper ppm ASTM D5185m >665 2 <1 0 Tin ppm ASTM D5185m >10 <1 <1 <1 Vanadium ppm ASTM D5185m 0 <11 0 0 Cadmium ppm ASTM D5185m 0 <11 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 0 0 Magnesium ppm ASTM D5185m 0 <11 0 0 Magnesium ppm ASTM D5185m 467 464 490 2 Zinc ppm ASTM D5185m 2 0 1 7 <	Nickel	ppm	ASTM D5185m		0	<1	
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Tin ppm ASTM D5185m >10 <1	Copper	ppm	ASTM D5185m	>65	2	<1	0
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Magnesium ppm ASTM D5185m 0 <1							
Calcium ppm ASTM D5185m <1	0						
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Sodium ppm ASTM D5185m 2 0 1 Potassium ppm ASTM D5185m >20 <1 2 <1 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >10000 1896 1451 1616 Particles >6µm ASTM D7647 >2500 596 352 468 Particles >14µm ASTM D7647 >320 31 27 44 Particles >21µm ASTM D7647 >80 5 9 12 Particles >38µm ASTM D7647 >20 1 0 0 Particles >71µm ASTM D7647 >20 1 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 18/16/12 18/16/12 18/16/13	CONTAMINANTS		method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 <1	Silicon	ppm	ASTM D5185m	>35			0
FLUID CLEANLINESS method limit/base current history1 history2 Particles >4µm ASTM D7647 >10000 1896 1451 1616 Particles >6µm ASTM D7647 >2500 596 352 468 Particles >14µm ASTM D7647 >320 31 27 44 Particles >21µm ASTM D7647 >80 5 9 12 Particles >38µm ASTM D7647 >20 1 0 0 Particles >71µm ASTM D7647 >4 1 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 18/16/12 18/16/12 18/16/13	Sodium	ppm	ASTM D5185m		2	0	1
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Particles >38μm ASTM D7647 >20 1 0 0 Particles >71μm ASTM D7647 >4 1 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 18/16/12 18/16/12 18/16/13	•		ASTM D7647	>80	5	9	12
Particles >71μm ASTM D7647 >4 1 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 18/16/12 18/16/12 18/16/13							0
Oil Cleanliness ISO 4406 (c) >20/18/15 18/16/12 18/16/12 18/16/13						0	
FLUID DEGRADATION method limit/base current history1 history2						18/16/12	
	FLUID DEGRADA	TION	method	limit/base	current	history1	history2

Acid Number (AN)

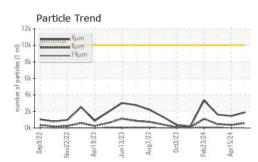
mg KOH/g ASTM D8045

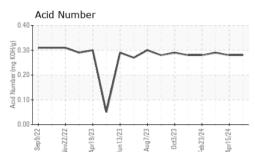
0.28 0.28 0.29 Contact/Location: EDWARDO COBIO - BURNEV

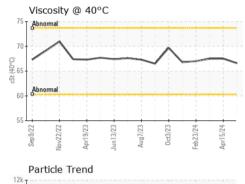
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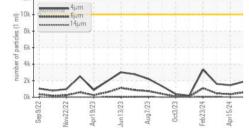


OIL ANALYSIS REPORT



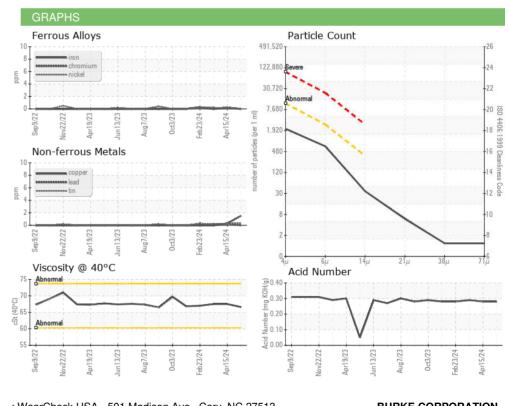






VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPER	TIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		66.6	67.5	67.5
SAMPLE IMAGE	S	method	limit/base	current	history1	history2
Color						

Bottom



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 **BURKE CORPORATION.** Sample No. : WC0921401 Received : 20 May 2024 1516 SOUTH D AVE Lab Number : 06184974 Tested : 22 May 2024 NEVADA, IA Unique Number : 11036300 Diagnosed : 22 May 2024 - Don Baldridge US 50201 Test Package : IND 2 (Additional Tests: PrtCount) Contact: EDWARDO COBIO Certificate 12367 JECOBIO@BURKECORP.COM 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. T: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (515)382-3955

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Contact/Location: EDWARDO COBIO - BURNEV

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