

OIL ANALYSIS REPORT

Sample Rating Trend

ISO

Machine Id ATLAS COPCO 050116 Component Compressor Fluid ATLAS COPCO PAROIL S (--- GAL)

DIAGNOSIS

A Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

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

Fluid Condition

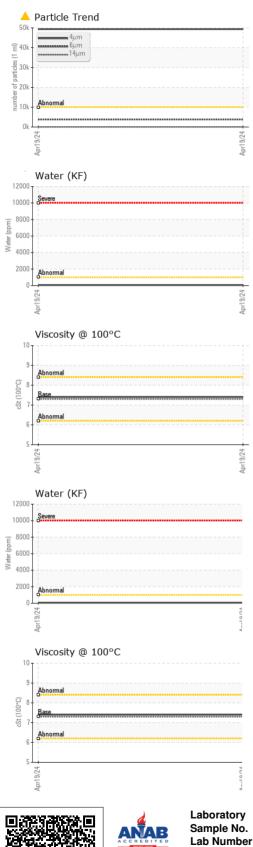
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO50002097		
Sample Date		Client Info		19 Apr 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	4		
Chromium	ppm	ASTM D5185m	>5	0		
Nickel	ppm	ASTM D5185m		0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>15	0		
Lead	ppm	ASTM D5185m	>65	0		
Copper	ppm	ASTM D5185m	>65	0		
Tin	ppm	ASTM D5185m	>10	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0		
Barium	ppm	ASTM D5185m	0	<1		
Molybdenum	ppm	ASTM D5185m	0	0		
Manganese	ppm	ASTM D5185m	0	0		
Magnesium	ppm	ASTM D5185m	0	1		
Calcium	ppm	ASTM D5185m	0	84		
Phosphorus	ppm	ASTM D5185m	100	202		
Zinc	ppm	ASTM D5185m	0	240		
Sulfur	ppm	ASTM D5185m	200	569		
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	<1		
Sodium	ppm	ASTM D5185m		3		
Potassium	ppm	ASTM D5185m	>20	0		
Water	%	ASTM D6304	>0.1	0.005		
ppm Water	ppm	ASTM D6304	>1000	58		
FLUID CLEANLIN		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	▲ 49368		
Particles >6µm		ASTM D7647	>2500	3822		
Particles >14µm		ASTM D7647	>320	38		
Particles >21µm		ASTM D7647		9		
Particles >38µm		ASTM D7647	>20	0		
Particles >71µm		ASTM D7647		0		
Oil Cleanliness		ISO 4406 (c)	>20/18/15	o ▲ 23/19/12		
FLUID DEGRADA		method	limit/base		history1	history2
				current		
Acid Number (AN)	mg KOH/g	ASTM D8045		0.38		

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OIL ANALYSIS REPORT



	White Metal Yellow Metal	scalar	*Visual	NONE	NONE		
	Vellow Metal		1.00.00	NONL	NONE		
	Tellow Metal	scalar	*Visual	NONE	NONE		
	Precipitate	scalar	*Visual	NONE	NONE		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
Apr19/24	Appearance	scalar	*Visual	NORML	NORML		
Apr	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.1	NEG		
	Free Water	scalar	*Visual		NEG		
	FLUID PROPER	RTIES	method	limit/base	current	history1	history2
	Visc @ 40°C	cSt	ASTM D445	46.0	46.6		
	Visc @ 100°C	cSt	ASTM D445	7.3	7.4		
	Viscosity Index (VI) Scale	ASTM D2270	133	121		
	SAMPLE IMAGE	ES	method	limit/base	current	history1	history2
Apr19/24	Color					no image	no image
	Bottom					no image	no image
	GRAPHS						
24	Ferrous Alloys						726
đ	Ed 4 view chromium rickel view chromium rickel view chromium view chromium			30,720	Abnormal	•	+24 +22 +20 +18 +16 +14
VC	Non-ferrous Met	als					-16 -14 -12
A	2			Apr19/24	4u 6u	144 214	38 _µ 71µ
	Viscosity @ 40°C	3		(B0.40	Acid Number	E. Constant	. F
	60 Abnormal			HOX 0.20			
				E 0.20			
	45 40			2000	L.		
VC					19/24		
Auct 0.17	Apri			Aprl	Apri		
le No. umber Number ackage	: TO50002097 : 06159115 : 10994538 : IND 2 (Additional Te	Rece Teste Diagr ests: KF, K	ceived : 24 Apr 2024 sted : 25 Apr 2024 ignosed : 26 Apr 2024 - Jonathan Hester , KV100, PrtCount, VI)			US SHORIN 11070 SOUTH PIPELINE R EULESS, T US 7604 Contact: Service Manage	
	atory le No. umber Number Sackage e report, ods that	Emulsified Water Free Water FLUID PROPER Visc @ 40°C Visc @ 100°C Viscosity Index (VI SAMPLE IMAGE Color Bottom GRAPHS Ferrous Alloys Image: Stress of the st	Emulsified Water scalar Free Water scalar FLUID PROPERTIES Visc @ 40°C Visc @ 100°C cSt Viscosity Index (VI) Scale SAMPLE IMAGES Color Bottom GRAPHS Ferrous Alloys Ferrous Alloys Image: State of the state o	Free Water scalar *Visual Free Water scalar *Visual FLUID PROPERTIES method Visc @ 40°C cSt ASTM D445 Visc @ 100°C cSt ASTM D445 Viscosity Index (VI) Scale ASTM D2270 SAMPLE IMAGES method Color Bottom Image: Color GRAPHS Ferrous Alloys Image: Color Image: Color Viscosity @ 40°C Image: Color Image: Color Viscosity @ 40°C Image: Color Image: Color Image: Color Image: Color <	Emulsified Water scalar *Visual >0.1 Free Water scalar *Visual >0.1 Free Water scalar *Visual FLUID PROPERTIES method limit/base Visc @ 40°C cSt ASTM D445 46.0 Visc @ 100°C cSt ASTM D445 7.3 Viscosity Index (VI) Scale ASTM D2270 133 SAMPLE IMAGES method limit/base Color Bottom GRAPHS Ferrous Alloys ************************************	The second secon	The second secon

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