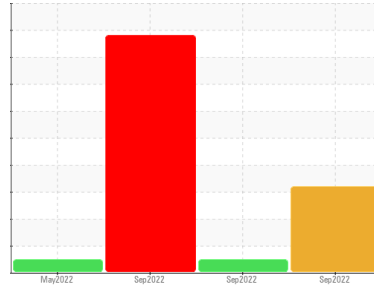


PROBLEM SUMMARY

Sample Rating Trend



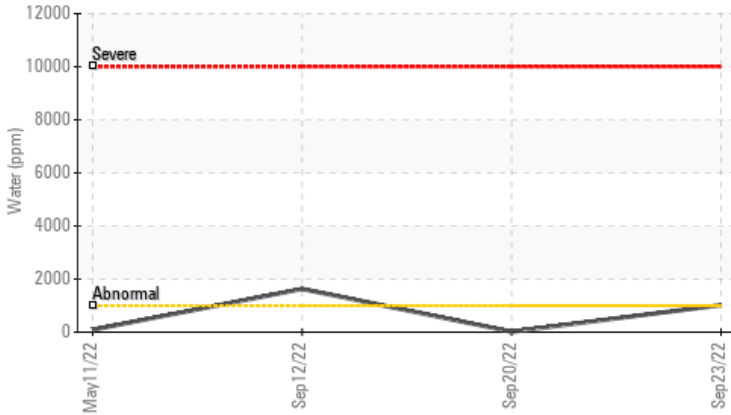
WATER



Machine Id
ATLAS COPCO ML-C-202
Component
Compressor
Fluid
ROYAL PURPLE BARRIER FLUID GT78 (--- GAL)

COMPONENT CONDITION SUMMARY

▲ Water (KF)



RECOMMENDATION

We advise that you follow the water drain-off procedure for this component. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	NORMAL	SEVERE
Water	%	ASTM D6304	>0.1	▲ 0.102	0.002	▲ 0.163
ppm Water	ppm	ASTM D6304	>1000	▲ 1020	17.2	▲ 1630
Free Water	scalar	*Visual		▲ 1.0	NEG	NEG

Customer Id: GREBEATX
Sample No.: RP0028381
Lab Number: 05652660
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
Jonathan Hester +1 919-379-4092 x4092
jhester@wearcheckusa.com

To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Water Drain-off	---	---	?	We advise that you follow the water drain-off procedure for this component.

HISTORICAL DIAGNOSIS

20 Sep 2022 Diag: Angela Borella

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



12 Sep 2022 Diag: Don Baldrige

WEAR



The oil is near the end of its useful service life, recommend schedule an oil change. We recommend an early resample to monitor this condition. The copper level is severe. There is a trace of moisture present in the oil. The AN level is at the top-end of the recommended limit.

view report



11 May 2022 Diag: Jonathan Hester

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. The water content is negligible. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

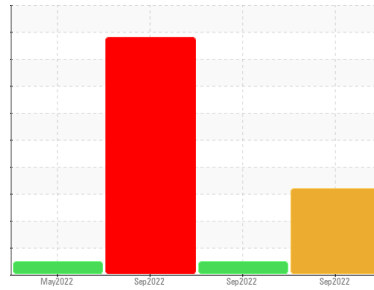
view report





OIL ANALYSIS REPORT

Sample Rating Trend



WATER



Machine Id
ATLAS COPCO ML-C-202

Component
Compressor

Fluid
ROYAL PURPLE BARRIER FLUID GT78 (--- GAL)

DIAGNOSIS

Recommendation

We advise that you follow the water drain-off procedure for this component. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Free water present. There is a trace of moisture 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 INFORMATION	method	limit/base	current	history1	history2
Sample Number	Client Info		RP0028381	RP0028378	RP0001816
Sample Date	Client Info		23 Sep 2022	20 Sep 2022	12 Sep 2022
Machine Age	mths	Client Info	0	0	0
Oil Age	mths	Client Info	0	0	0
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			ABNORMAL	NORMAL	SEVERE

WEAR METALS	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	4	2	9
Chromium	ppm	ASTM D5185m >5	0	0	0
Nickel	ppm	ASTM D5185m	0	0	0
Titanium	ppm	ASTM D5185m	0	0	0
Silver	ppm	ASTM D5185m	0	0	<1
Aluminum	ppm	ASTM D5185m >15	0	0	<1
Lead	ppm	ASTM D5185m >65	0	0	2
Copper	ppm	ASTM D5185m >65	19	1	135
Tin	ppm	ASTM D5185m >10	0	<1	<1
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

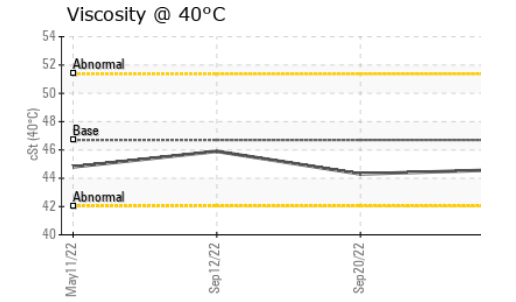
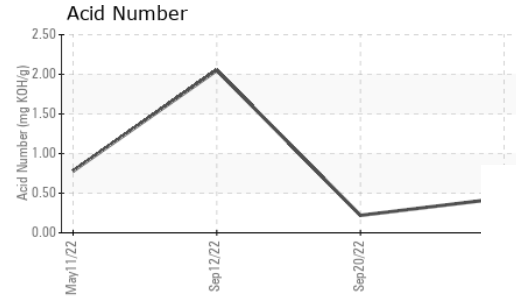
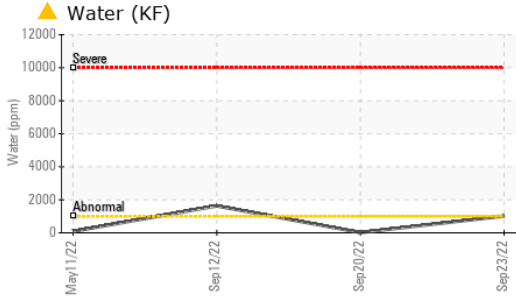
ADDITIVES	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0
Barium	ppm	ASTM D5185m	<1	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0
Manganese	ppm	ASTM D5185m	0	0	<1
Magnesium	ppm	ASTM D5185m	0	0	0
Calcium	ppm	ASTM D5185m	0	0	0
Phosphorus	ppm	ASTM D5185m	4	0	6
Zinc	ppm	ASTM D5185m	2	0	7

CONTAMINANTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >35	0	0	<1
Sodium	ppm	ASTM D5185m	0	0	0
Potassium	ppm	ASTM D5185m >20	0	0	0
Water	%	ASTM D6304 >0.1	▲ 0.102	0.002	▲ 0.163
ppm Water	ppm	ASTM D6304 >1000	▲ 1020	17.2	▲ 1630

FLUID DEGRADATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.44	0.22	▲ 2.05

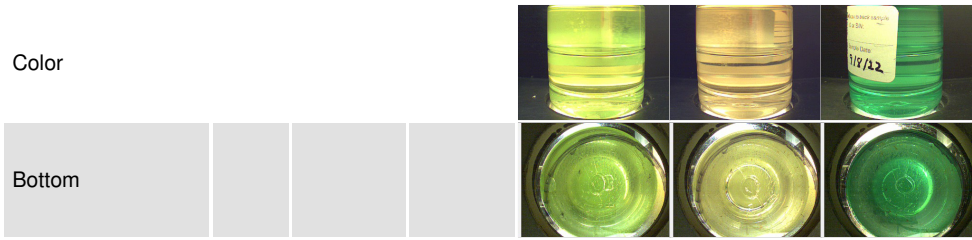
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual NONE	NONE	NONE	NONE
Silt	scalar	*Visual NONE	NONE	NONE	NONE
Debris	scalar	*Visual NONE	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual NONE	NONE	NONE	NONE
Appearance	scalar	*Visual NORML	NORML	NORML	NORML
Odor	scalar	*Visual NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual >0.1	0.2%	NEG	NEG
Free Water	scalar	*Visual	▲ 1.0	NEG	NEG

OIL ANALYSIS REPORT

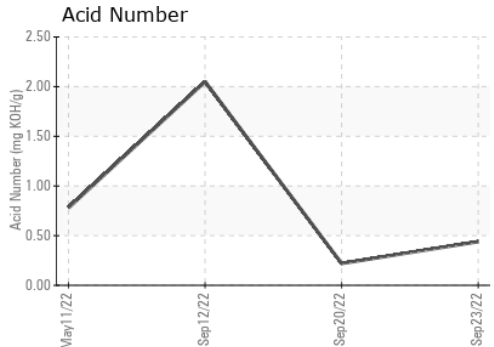
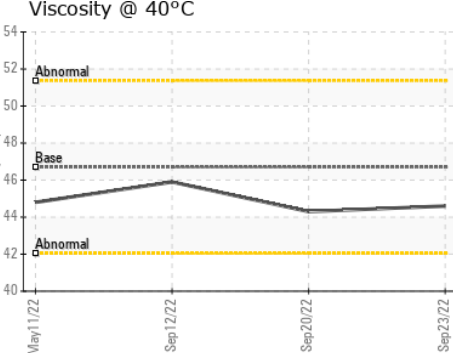
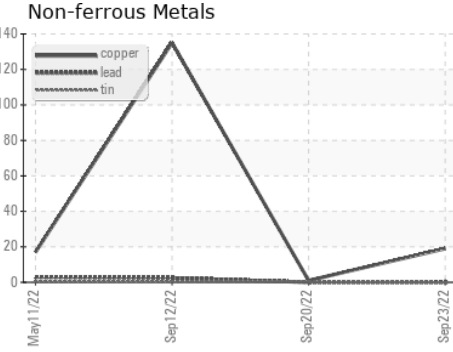
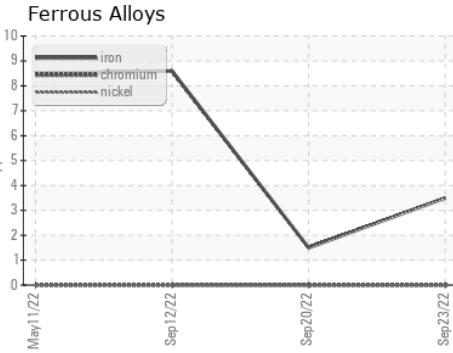


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	46.7	44.6	44.3	45.9

SAMPLE IMAGES		method	limit/base	current	history1	history2
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GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP0028381 **Received** : 28 Sep 2022
Lab Number : 05652660 **Diagnosed** : 29 Sep 2022
Unique Number : 10152212 **Diagnostician** : Jonathan Hester
Test Package : IND 2

GRESN TECH SALES
 8040 EASTEX FREEWAY
 BEAUMONT, TX
 US 77708
 Contact: CHRIS GREEN

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)

T: (409)899-2351
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