

System: AIR COMPRESSOR
Sump Capacity (k): 80 L
Lubricant (k): ATLAS COPCO ROTO Z ISO 68
Labocodenbr: 109830-MJ.9
Samplenummer: 19.07.23 O004
Labelnummer: 00740634
Date sample drawn (k): 25.04.2023
Sampling: by client

Customer (k): ATLAS COPCO RENTAL EUROP
Luc Despeghel
Address (k): INDUSTRIEWEG 1F
B- 2850 BOOM
Your customer (k): 350377/13759
Your ref. (k): D+/350377/13759/PTS1600



Oil



Pollution



Wear



Diagnostic

The analysed oil does not correspond with the given oil make and type. The acid number of the oil is considered being borderline high. Wear elements within tolerance. The other characteristics are considered as normal.

Action

Results:	Method*	Unit	Current sample	19.07.23 O004		
Analysis date			19/07/2023	18/06/2021	4/01/2017	8/11/2016
Date of receipt			19/07/2023	18/06/2021	4/01/2017	8/11/2016
Sample date (k)			25/04/2023	4/06/2021	16/12/2016	31/10/2016
H/Km Oil (k)			127 H	7374 H	1000 H	? H
H/Km total (k)			7583 H	7374 H	2747 H	1789 H
Top up (k)			?	55	?	?

Oil Condition:

Viscosity at 40°C	ASTM D7279	cSt	71.0	87.0	68.7	80.4
Viscosity at 100°C	ASTM D7279	cSt	10.1	11.8	10.4	10.9
Viscosity-index	ASTM D2270					
Fuel dilution	ASTM D7593	%				
AN	ASTM D8045	mg KOH/g	0.91	2.71	2.08	1.28
BN	ASTM D2896B	mg KOH/g				
Oxidation	ASTM E2412 (A)	Abs/0.1mm	6.3			
Nitration	ASTM E2412	Abs/0.1mm	3.3			
PMCC	ASTM D93	°C				
COC	ASTM D92B	°C				
Color	ASTM D1500					

Additives:

Ba: Barium	ASTM D5185	ppm	1	< 1	< 1	< 1
Ca: Calcium	ASTM D5185 (A)	ppm	525	1700	1680	1820
Mg: Magnesium	ASTM D5185 (A)	ppm	120	401	715	460
P: Phosphorus	ASTM D5185 (A)	ppm	624	1085	1193	1132
S: Sulfur	ASTM D5185	%	0.13	0.32	0.44	0.37
Zn: Zink	ASTM D5185 (A)	ppm	367	1209	1345	1341

Pollution:

Si: Silicium	ASTM D5185 (A)	ppm	< 10	< 10	< 10	< 10
B: Boron	ASTM D5185	ppm	60	137	83	193
Na: Sodium	ASTM D5185 (A)	ppm	< 5	< 5	5	< 5
Water	WI-0002	%	< 0.04	0.05	0.04	< 0.04
Water (KF)	ASTM D6304C	ppm				
Soot content	ASTM E2412 (A)	%				
Antifreeze	ASTM D2982A					
PC ISO grade	ASTM D7647 (A)					
PC Cleanliness class	ASTM D7647 (A)					
Insolubles	ASTM D4898	mg/l				

Wear metals:

Al: Aluminium	ASTM D5185 (A)	ppm	< 5	< 5	< 5	< 5
Cr: Chromium	ASTM D5185 (A)	ppm	< 5	< 5	< 5	< 5
Cu: Copper	ASTM D5185 (A)	ppm	< 5	< 5	< 5	< 5
Fe: Iron	ASTM D5185 (A)	ppm	< 5	< 5	< 5	< 5
Mo: Molybdenum	ASTM D5185 (A)	ppm	20	63	57	65
Pb: Lead	ASTM D5185 (A)	ppm	< 5	< 5	< 5	< 5
Sn: Tin	ASTM D5185	ppm	< 1	1	< 1	1
PQ index	WI-0021					

These conclusions are based on the supplied samples and information where the representativeness and validity cannot be guaranteed. Opinions and interpretation are outside the scope of accreditation. The measurement uncertainty is available on request. Samples are destroyed 2 months after receipt. The report may only be reproduced complete. Distribution on the responsibility of the client. *Methods are modified according to specified method. (A) Accreditation. (U) Outsourced. (k) Received info from customer.

Batch: 2320501 - p.1 / 3

Diagnosis: ANW

Date of issue: 24/07/2023

B118 AC RENTAL EUROPE.

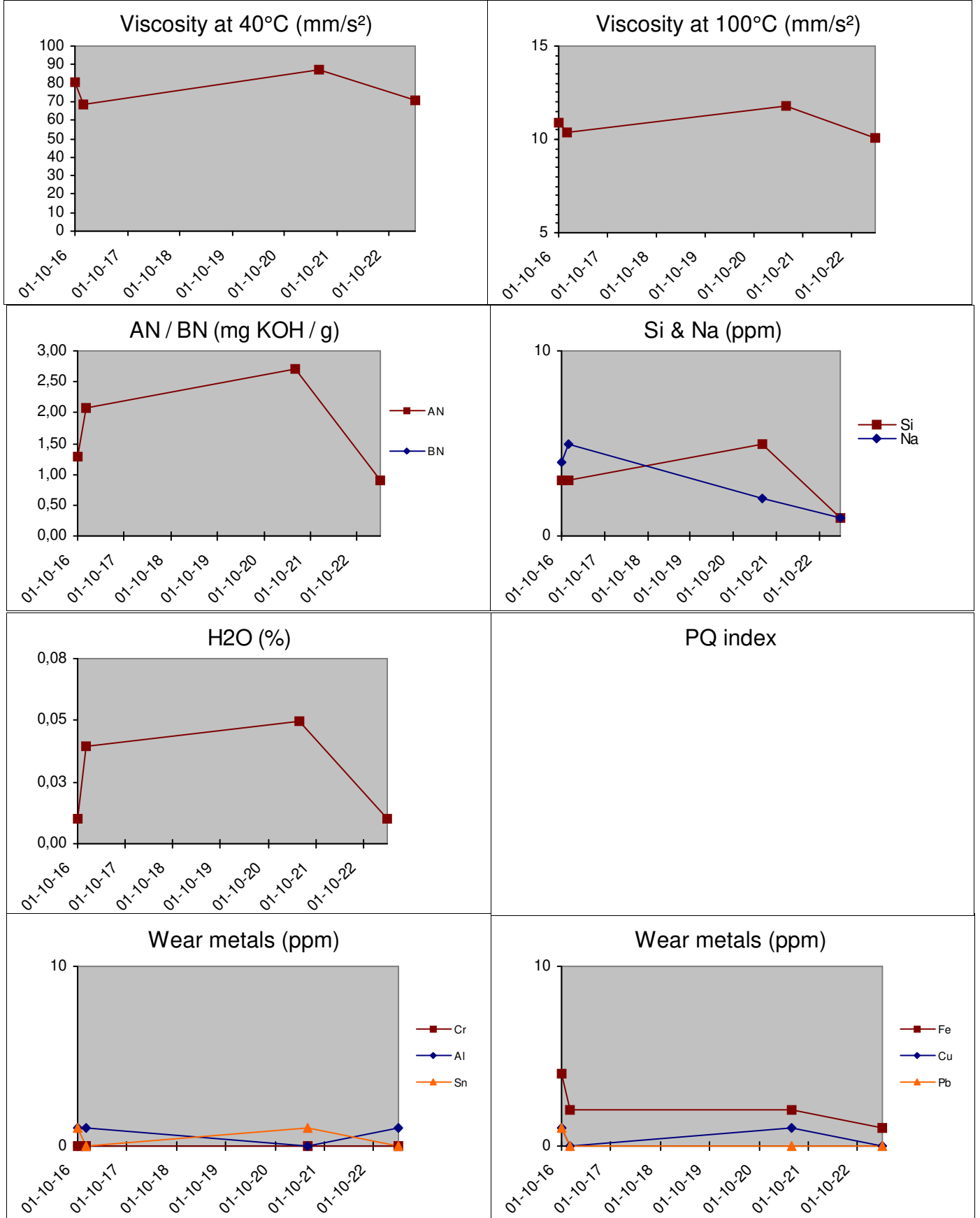


History lubricant:

19.07.23 O004

1	19.07.23 O004	ATLAS COPCO ROTO Z ISO 68
2	18.06.21 O005	ATLAS COPCO PAROIL E MISSION SAE 15W40
3	04.01.17 P009	ATLAS COPCO PAROIL EMISSION SAE 15W40
4	08.11.16 O005	TOTAL RUBIA WORKS 2000 SAE 10W40
5		
6		

History 19.07.23 0004



These conclusions are based on the supplied samples and information where the representativeness and validity cannot be guaranteed. Opinions and interpretation are outside the scope of accreditation. The measurement uncertainty is available on request. Samples are destroyed 2 months after receipt. The report may only be reproduced complete. Distribution on the responsibility of the client. *Methods are modified according to specified method. (A) Accreditation, (U) Outsourced, (k) Received info from customer.