

System: AIR COMPRESSOR  
Sump Capacity (k): 60 L  
Lubricant (k): ATLAS COPCO ROTO Z ISO 68  
Labocodenbr: 109830-eb.9  
Samplenummer: 17.04.24 O005  
Labelnummer: 429000800655  
Date sample drawn (k): 4.04.2024  
Sampling: by client

Customer (k): ATLAS COPCO RENTAL EUROP  
Luc Despeghel  
Address (k): INDUSTRIEWEG 1F  
B- 2850 BOOM  
Your customer (k): 329567/13497  
Your ref. (k): D+/329567/13497/PTS1600

## Diagnostic



Oil



Pollution



Wear



We notice an increased zinc and calcium content. The acid number of the oil is considered being high. Wear elements within tolerance.

Action

Results:	Method*	Unit	Current sample						17.04.24 O005
Analysis date			17/04/2024	3/01/2024	13/07/2020	28/05/2019	25/10/2018	5/03/2018	
Date of receipt			17/04/2024	3/01/2024	13/07/2020	28/05/2019	25/10/2018	5/03/2018	
Sample date (k)			4/04/2024	?	2/07/2020	?	18/10/2018	?	
H/Km Oil (k)			? H	1500 H	4409 H	800 H	2481 H	661 H	
H/Km total (k)			4997 H	4866 H	4409 H	2220 H	? H	1661 H	
Top up (k)			?	84	?	61	?	55	

## Oil Condition:

Viscosity at 40°C	ASTM D7279	cSt	70.9	83.6	78.3	79.1	79.5	76.8
Viscosity at 100°C	ASTM D7279	cSt	10.2	11.3	11.0	11.2	11.1	11.1
Viscosity-index	ASTM D2270		129	126	130	133	130	135
Fuel dilution	ASTM D7593	%						
AN	ASTM D8045	mg KOH/g	0.84	2.09	2.20	2.41	1.60	1.38
BN	ASTM D2896B	mg KOH/g						
Oxidation	ASTM E2412 (A)	Abs/0.1mm	6.6	13.3				
Nitration	ASTM E2412	Abs/0.1mm	3.5	3.8				
PMCC	ASTM D93	°C						
COC	ASTM D92B	°C						
Color	ASTM D1500							

## Additives:

Ba: Barium	ASTM D5185	ppm	< 1	1	< 1	< 1	< 1	< 1
Ca: Calcium	ASTM D5185 (A)	ppm	567	1820	2120	1660	1390	864
Mg: Magnesium	ASTM D5185 (A)	ppm	137	446	524	540	672	1097
P: Phosphorus	ASTM D5185 (A)	ppm	656	1119	1387	1233	1110	1137
S: Sulfur	ASTM D5185	%	0.13	0.30	0.39	0.34	0.36	0.42
Zn: Zink	ASTM D5185 (A)	ppm	385	1164	1490	1285	1254	1292

## Pollution:

Si: Silicon	ASTM D5185 (A)	ppm	< 10	< 10	< 10	< 10	< 10	< 10
B: Boron	ASTM D5185	ppm	63	177	153	120	102	7
Na: Sodium	ASTM D5185 (A)	ppm	< 5	< 5	< 5	< 5	< 5	6
Water	WI-0002	%		0.11	0.04	< 0.04	< 0.04	0.05
Water (KF)	ASTM D6304C	ppm	136					
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	< 5	< 5
Cr: Chromium	ASTM D5185 (A)	ppm	< 5	< 5	< 5	< 5	< 5	< 5
Cu: Copper	ASTM D5185 (A)	ppm	< 5	< 5	< 5	< 5	< 5	< 5
Fe: Iron	ASTM D5185 (A)	ppm	< 5	< 5	< 5	< 5	6	8
Mo: Molybdenum	ASTM D5185 (A)	ppm	23	69	76	59	56	42
Pb: Lead	ASTM D5185 (A)	ppm	< 5	< 5	< 5	< 5	< 5	< 5
Sn: Tin	ASTM D5185	ppm	< 1	< 1	< 1	< 1	< 1	< 1
PQ index	WI-0021							

These conclusions are based on the tested 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: 2411001 - p.1 / 3

Diagnosis: ANW

Date of issue: 18/04/2024

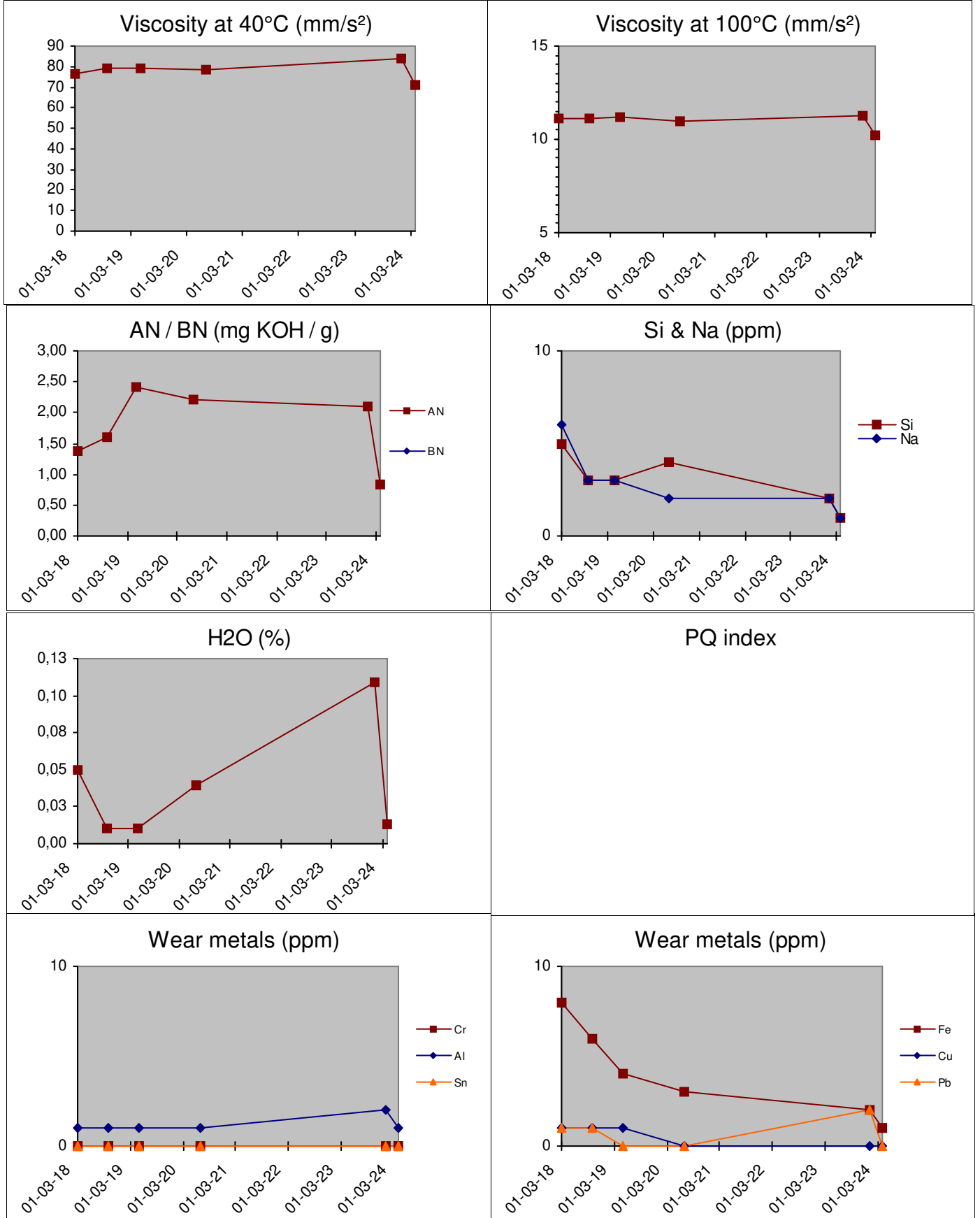
B118 AC RENTAL EUROPE.

## History lubricant:

17.04.24 O005

1	17.04.24 O005	ATLAS COPCO ROTO Z ISO 68
2	03.01.24 Q020	ATLAS COPCO ROTO Z ISO 68
3	13.07.20 O003	ATLAS PAROIL E MISS.GREEN SAE 15W40
4	28.05.19 O003	ATLAS PAROIL E MISS.GREEN SAE 15W40
5	25.10.18 O005	ATLAS PAROIL E MISS.GREEN SAE 15W40
6	05.03.18 M007	ATLAS PAROIL E SAE 15W40

History 17.04.24 O005



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