

System: AIR COMPRESSOR
Sump Capacity (k): L
Lubricant (k): ATLAS COPCO ROTO Z ISO 68
Labocodenbr: 109830-WQ.9
Samplenummer: 10.04.24 0008
Labelnummer: 429000800706
Date sample drawn (k): 14.02.2024
Sampling: by client

Customer (k): ATLAS COPCO RENTAL EUROP
Luc Despeghele
Address (k): INDUSTRIEWEG 1F
B- 2850 BOOM
Your customer (k): 391697/14182
Your ref. (k): D+/391697/14182/PTS1600



Oil



Pollution



Wear



Diagnostic

We notice a high zinc and calcium content. Wear elements within tolerance. The other characteristics are considered as normal.

Attention

Results:	Method*	Unit	Current sample						10.04.24 0008
Analysis date			10/04/2024	24/05/2023	14/01/2022	9/03/2020	5/03/2019	20/11/2017	
Date of receipt			10/04/2024	24/05/2023	14/01/2022	9/03/2020	5/03/2019	20/11/2017	
Sample date (k)			14/02/2024	17/03/2023	7/01/2022	20/02/2020	5/02/2019	26/10/2017	
H/Km Oil (k)			? H	? H	5936 H	403 H	1500 H	3893 H	
H/Km total (k)			6297 H	6132 H	5936 H	5219 H	4816 H	? H	
Top up (k)			?	?	55	?	?	?	

Oil Condition:

Viscosity at 40°C	ASTM D7279	cSt	68.0	71.6	67.3	74.5	66.4	76.7
Viscosity at 100°C	ASTM D7279	cSt	9.6	10.0	11.0	10.7	9.9	10.7
Viscosity-index	ASTM D2270		122	123	157	132	133	127
Fuel dilution	ASTM D7593	%						
AN	ASTM D8045	mg KOH/g	0.41	0.98	2.04	1.86	2.49	1.57
BN	ASTM D2896B	mg KOH/g						
Oxidation	ASTM E2412 (A)	Abs/0.1mm	4.6	7.1	13.5			
Nitration	ASTM E2412	Abs/0.1mm	3.4	3.6	3.9			
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	209	574	1600	1870	1660	1840
Mg: Magnesium	ASTM D5185 (A)	ppm	50	153	381	547	656	402
P: Phosphorus	ASTM D5185 (A)	ppm	510	679	1003	1224	1215	1172
S: Sulfur	ASTM D5185	%	0.08	0.14	0.28	0.33	0.36	0.39
Zn: Zink	ASTM D5185 (A)	ppm	147	422	1133	1359	1283	1303

Pollution:

Si: Silicon	ASTM D5185 (A)	ppm	< 10	< 10	< 10	< 10	< 10	< 10
B: Boron	ASTM D5185	ppm	23	75	119	117	75	188
Na: Sodium	ASTM D5185 (A)	ppm	< 5	< 5	< 5	< 5	< 5	< 5
Water	WI-0002	%		< 0.04	0.04	0.05	< 0.04	< 0.04
Water (KF)	ASTM D6304C	ppm	91					
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	8	< 5	< 5
Mo: Molybdenum	ASTM D5185 (A)	ppm	8	24	61	61	52	64
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: 2410204 - p.1 / 3

Diagnosis: ANW

Date of issue: 11/04/2024

B118 AC RENTAL EUROPE.

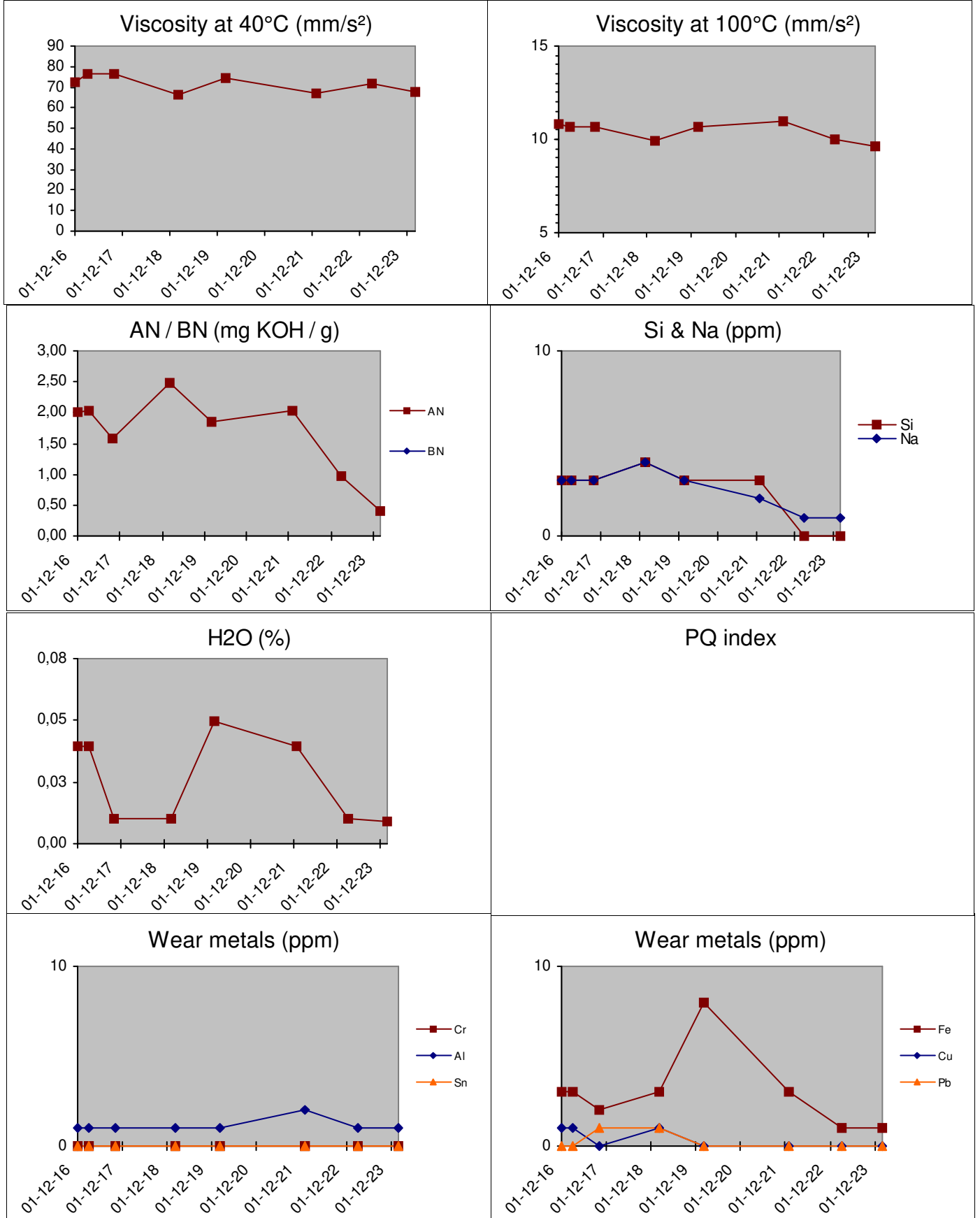


History lubricant:

10.04.24 O008

1	10.04.24 O008	ATLAS COPCO ROTO Z ISO 68
2	24.05.23 O003	ATLAS COPCO ROTO Z ISO 68
3	14.01.22 O005	ATLAS PAROIL E MISS.GREEN SAE 15W40
4	09.03.20 O007	ATLAS PAROIL E MISS.GREEN SAE 15W40
5	05.03.19 O008	ATLAS PAROIL E MISS.GREEN SAE 15W40
6	20.11.17 O003	ATLAS PAROIL E MISS.GREEN SAE 15W40

History 10.04.24 0008



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