

System: AIR COMPRESSOR
Sump Capacity (k): 84 L
Lubricant (k): ATLAS COPCO ROTO Z ISO 68
Labocodenbr: 109830-TC.9
Samplenummer: 17.04.24 O004
Labelnummer: 429000800651
Date sample drawn (k): 17.04.2024
Sampling: by client

Customer (k): ATLAS COPCO RENTAL EUROP
Luc Despeghele
Address (k): INDUSTRIEWEG 1F
B- 2850 BOOM
Your customer (k): 304315/13307
Your ref. (k): D+/304315/13307/PTS1600



Oil



Pollution



Wear



Diagnostic

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 O004
Analysis date			17/04/2024	27/11/2023	17/10/2019	5/02/2016	6/01/2016	
Date of receipt			17/04/2024	27/11/2023	17/10/2019	5/02/2016	6/01/2016	
Sample date (k)			?	11/08/2023	14/10/2019	1/02/2016	30/12/2015	
H/Km Oil (k)			? H	7782 H	6913 H	50 H	3000 H	
H/Km total (k)			7840 H	7782 H	6913 H	2903 H	3000 H	
Top up (k)			?	55	84	?	?	

Oil Condition:

Viscosity at 40°C	ASTM D7279	cSt	71.5	83.7	87.7	86.8	82.5
Viscosity at 100°C	ASTM D7279	cSt	10.4	11.7	12.2	11.6	11.3
Viscosity-index	ASTM D2270		132	133	135	125	128
Fuel dilution	ASTM D7593	%					
AN	ASTM D8045	mg KOH/g	1.00	2.79	2.72	2.15	1.22
BN	ASTM D2896B	mg KOH/g					
Oxidation	ASTM E2412 (A)	Abs/0.1mm	7.2	13.4			
Nitration	ASTM E2412	Abs/0.1mm	3.6	3.8			
PMCC	ASTM D93	°C					
COC	ASTM D92B	°C					
Color	ASTM D1500						

Additives:

Ba: Barium	ASTM D5185	ppm	< 1	< 1	< 1	< 1	< 1
Ca: Calcium	ASTM D5185 (A)	ppm	673	1790	1770	1750	1150
Mg: Magnesium	ASTM D5185 (A)	ppm	154	416	407	672	1032
P: Phosphorus	ASTM D5185 (A)	ppm	691	1605	1208	1256	1151
S: Sulfur	ASTM D5185	%	0.15	0.30	0.34	0.14	0.47
Zn: Zink	ASTM D5185 (A)	ppm	451	1151	1261	1438	1380

Pollution:

Si: Silicon	ASTM D5185 (A)	ppm	< 10	< 10	< 10	< 10	< 10
B: Boron	ASTM D5185	ppm	76	145	138	166	59
Na: Sodium	ASTM D5185 (A)	ppm	< 5	< 5	< 5	< 5	< 5
Water	WI-0002	%					
Water (KF)	ASTM D6304C	ppm	166	583	1012	367	596
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
Cr: Chromium	ASTM D5185 (A)	ppm	< 5	< 5	< 5	< 5	< 5
Cu: Copper	ASTM D5185 (A)	ppm	< 5	< 5	< 5	12	35
Fe: Iron	ASTM D5185 (A)	ppm	< 5	< 5	19	5	13
Mo: Molybdenum	ASTM D5185 (A)	ppm	27	68	66	65	48
Pb: Lead	ASTM D5185 (A)	ppm	< 5	< 5	< 5	< 5	< 5
Sn: Tin	ASTM D5185	ppm	< 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.

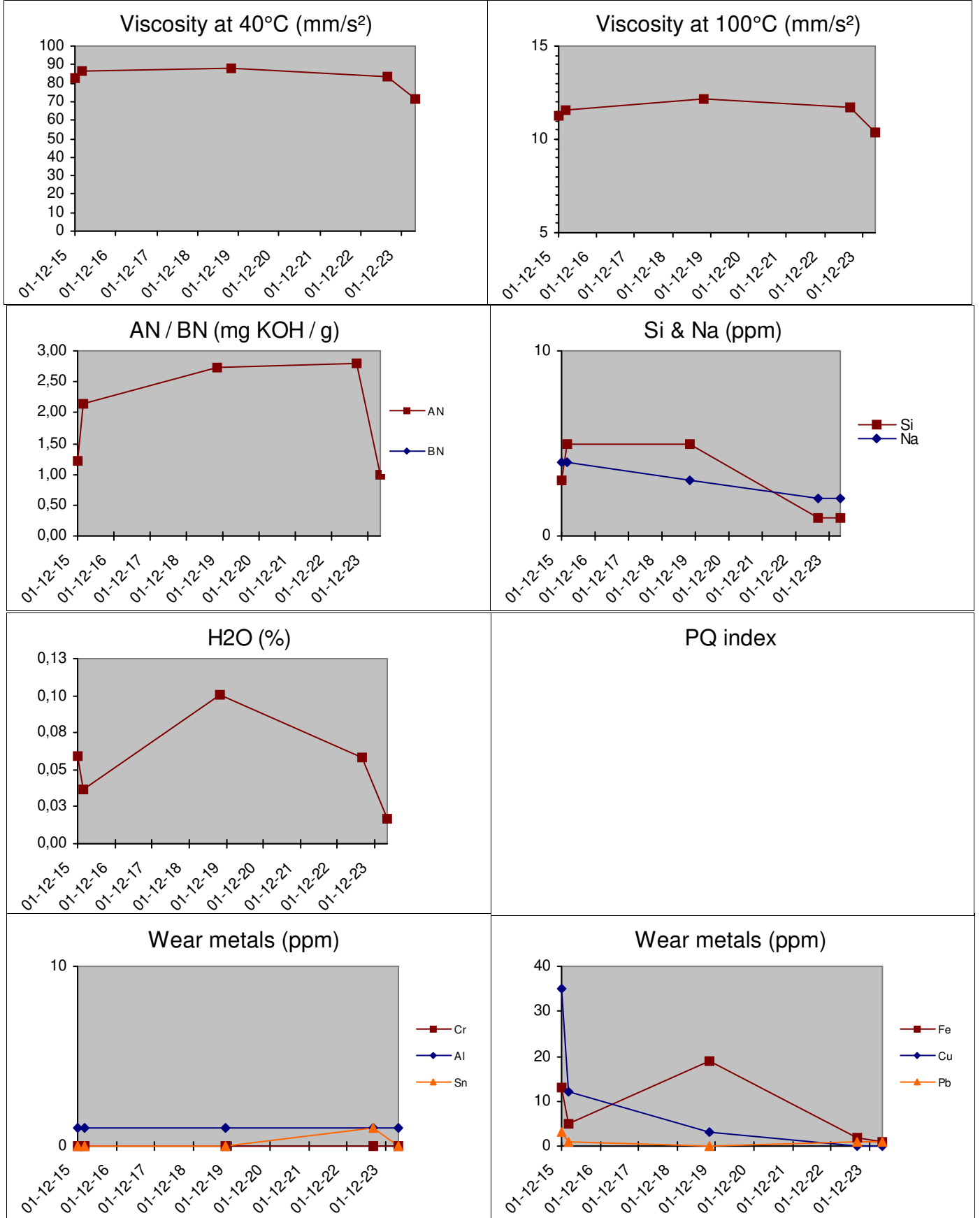


History lubricant:

17.04.24 0004

1	17.04.24 0004	ATLAS COPCO ROTO Z ISO 68
2	27.11.23 Q004	ATLAS PAROIL E MISS.GREEN SAE 15W40
3	17.10.19 O003	ATLAS PAROIL E MISS.GREEN SAE 15W40
4	05.02.16 L009	ATLAS PAROIL E MISS.GREEN SAE 15W40
5	06.01.16 L005	ATLAS PAROIL E MISS.GREEN SAE 15W40
6		

History 17.04.24 O004



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