

System: AIR COMPRESSOR  
Sump Capacity (k): 55 L  
Lubricant (k): ATLAS COPCO ROTO Z ISO 68  
Labocodenbr: 109830-PG.9  
Samplenummer: 17.05.24 O006  
Labelnummer: 00741150  
Date sample drawn (k): 22.04.2024  
Sampling: by client

Customer (k): ATLAS COPCO RENTAL EUROP  
Luc Despeghele  
Address (k): INDUSTRIEWEG 1F  
B- 2850 BOOM  
Your customer (k): 291324/13203  
Your ref. (k): D.291324/13203.PTS1600



Oil



Pollution



Wear



## Diagnostic

We notice an increased zinc, calcium and magnesium content. Wear elements within tolerance. The other characteristics are considered as normal.

Attention

Results:	Method*	Unit	Current sample						17.05.24 O006
Analysis date			17/05/2024	7/08/2023	9/11/2021	16/10/2019	30/08/2018	2/05/2017	
Date of receipt			17/05/2024	7/08/2023	9/11/2021	16/10/2019	30/08/2018	2/05/2017	
Sample date (k)			22/04/2024	30/05/2023	18/05/2021	7/10/2019	?	20/03/2017	
H/Km Oil (k)			6720 H	? H	1000 H	950 H	1455 H	2000 H	
H/Km total (k)			6720 H	6611 H	6383 H	5527 H	4608 H	4060 H	
Top up (k)			?	?	60	?	60	?	

## Oil Condition:

Viscosity at 40°C	ASTM D7279	cSt	67.3	71.1	81.2	75.4	77.1	76.6
Viscosity at 100°C	ASTM D7279	cSt	9.6	9.9	11.2	10.6	10.8	10.9
Viscosity-index	ASTM D2270		124	122	128	128	129	132
Fuel dilution	ASTM D7593	%						
AN	ASTM D8045	mg KOH/g	0.51	0.98	2.50	2.96	2.93	1.50
BN	ASTM D2896B	mg KOH/g						
Oxidation	ASTM E2412 (A)	Abs/0.1mm	4.4	6.7				
Nitration	ASTM E2412	Abs/0.1mm	3.4	3.4				
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	224	593	1720	1830	1750	2140
Mg: Magnesium	ASTM D5185 (A)	ppm	51	137	401	405	411	508
P: Phosphorus	ASTM D5185 (A)	ppm	586	671	1082	1167	1133	1325
S: Sulfur	ASTM D5185	%	0.08	0.14	0.34	0.35	0.38	0.41
Zn: Zink	ASTM D5185 (A)	ppm	162	437	1199	1222	1275	1508

## Pollution:

Si: Silicon	ASTM D5185 (A)	ppm	< 10	< 10	< 10	< 10	< 10	< 10
B: Boron	ASTM D5185	ppm	33	61	140	154	195	228
Na: Sodium	ASTM D5185 (A)	ppm	< 5	< 5	< 5	< 5	< 5	< 5
Water	WI-0002	%			0.11	0.05	0.10	0.06
Water (KF)	ASTM D6304C	ppm	121	255				
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	< 5	< 5
Mo: Molybdenum	ASTM D5185 (A)	ppm	8	24	62	64	65	78
Pb: Lead	ASTM D5185 (A)	ppm	< 5	< 5	< 5	< 5	< 5	< 5
Sn: Tin	ASTM D5185	ppm	< 1	< 1	2	< 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.

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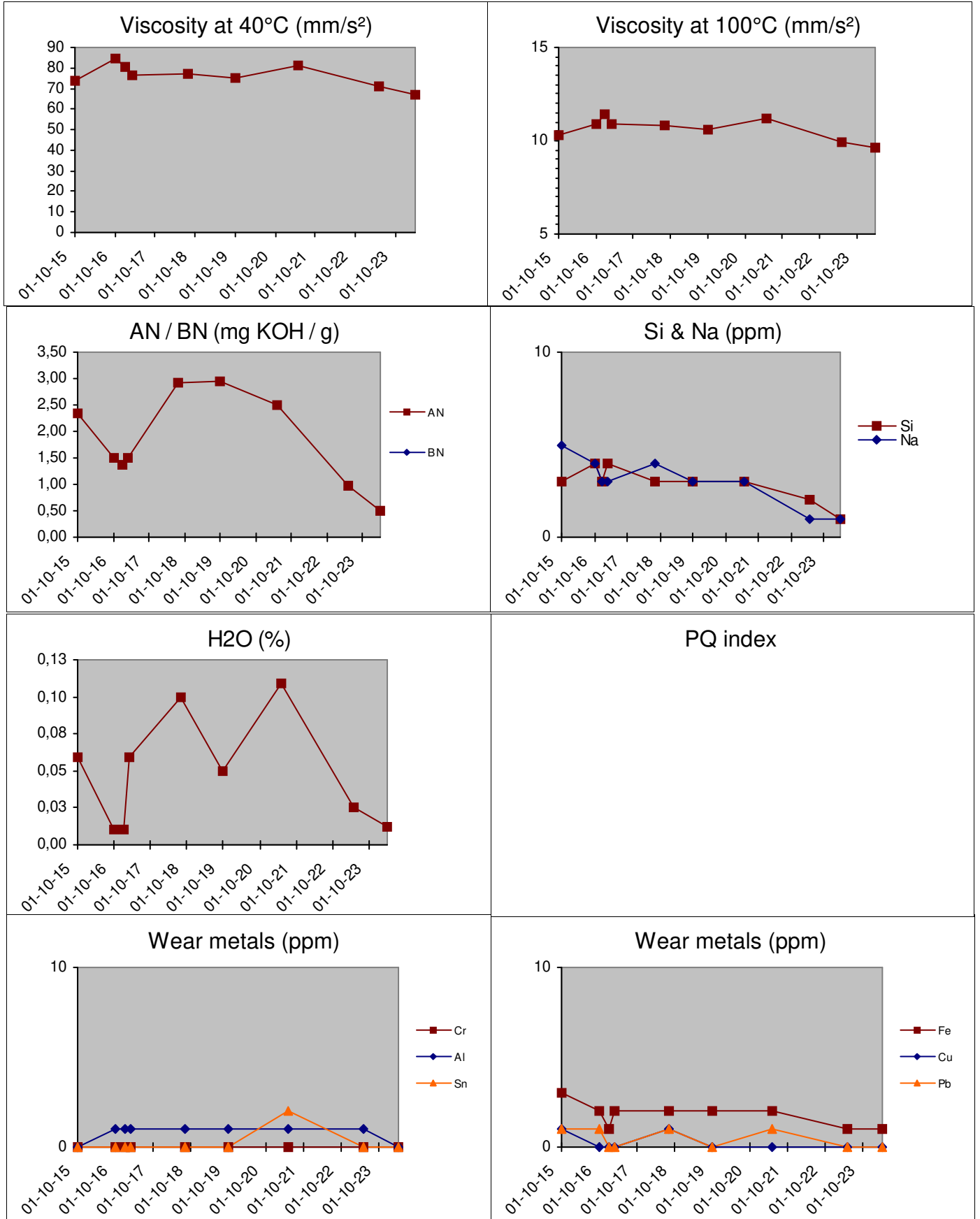
Diagnosis: ANW

Date of issue: 21/05/2024

B118 AC RENTAL EUROPE.

History lubricant:			17.05.24 O006
1	17.05.24 O006	ATLAS COPCO ROTO Z ISO 68	
2	07.08.23 O011	ATLAS COPCO ROTO Z ISO 68	
3	09.11.21 O005	ATLAS PAROIL E MISS.GREEN SAE 15W40	
4	16.10.19 O003	ATLAS PAROIL E MISS.GREEN SAE 15W40	
5	30.08.18 G015	ATLAS PAROIL E MISS.GREEN SAE 15W40	
6	02.05.17 F019	ATLAS PAROIL E MISS.GREEN SAE 15W40	

History 17.05.24 O006



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