

System: AIR COMPRESSOR  
Sump Capacity (k): 60 L  
Lubricant (k): ATLAS COPCO ROTO Z ISO 68  
Labocodenbr: 109830-hw.9  
Samplenummer: 27.11.23 Q019  
Labelnummer: 429000800721  
Date sample drawn (k): 16.10.2023  
Sampling: by client

Customer (k): ATLAS COPCO RENTAL EUROP  
Luc Despeghele  
Address (k): INDUSTRIEWEG 1F  
B- 2850 BOOM  
Your customer (k): 350370/13800  
Your ref. (k): D+/350370/13800/PTS1600

## Diagnostic



Oil



Pollution



Wear



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

Attention

Results:	Method*	Unit	Current sample						27.11.23 Q019
Analysis date			27/11/2023	3/01/2023	29/07/2020	24/06/2019	19/11/2018	13/04/2018	
Date of receipt			27/11/2023	3/01/2023	29/07/2020	24/06/2019	19/11/2018	13/04/2018	
Sample date (k)			16/10/2023	18/11/2022	?	17/06/2019	9/11/2018	?	
H/Km Oil (k)			? H	? H	960 H	1842 H	2261 H	581 H	
H/Km total (k)			7529 H	7392 H	5060 H	4103 H	2261 H	1095 H	
Top up (k)			?	?	?	?	60	0	

## Oil Condition:

Viscosity at 40°C	ASTM D7279	cSt	67.4	71.5	72.6	74.1	74.2	72.4
Viscosity at 100°C	ASTM D7279	cSt	9.6	10.0	10.8	10.7	10.7	10.8
Viscosity-index	ASTM D2270		124	123		133	133	139
Fuel dilution	ASTM D7593	%						
AN	ASTM D8045	mg KOH/g	0.38	0.85	2.71	2.54	2.02	1.81
BN	ASTM D2896B	mg KOH/g						
Oxidation	ASTM E2412 (A)	Abs/0.1mm	4.2	6.7				
Nitration	ASTM E2412	Abs/0.1mm	3.2	3.6				
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	109	500	1640	1670	1790	1630
Mg: Magnesium	ASTM D5185 (A)	ppm	24	129	388	407	470	662
P: Phosphorus	ASTM D5185 (A)	ppm	513	591	1068	1049	1187	1207
S: Sulfur	ASTM D5185	%	0.05	0.12	0.32	0.35	0.45	0.40
Zn: Zink	ASTM D5185 (A)	ppm	76	392	1123	1182	1510	1334

## Pollution:

Si: Silicium	ASTM D5185 (A)	ppm	< 10	< 10	< 10	< 10	< 10	< 10
B: Boron	ASTM D5185	ppm	8	39	132	135	144	94
Na: Sodium	ASTM D5185 (A)	ppm	< 5	< 5	< 5	< 5	< 5	< 5
Water	WI-0002	%	< 0.04	< 0.04	< 0.04	< 0.04	0.05	0.06
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	< 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	< 5	22	59	60	64	56
Pb: Lead	ASTM D5185 (A)	ppm	< 5	< 5	< 5	< 5	< 5	< 5
Sn: Tin	ASTM D5185	ppm	2	< 1	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: 2333301 - p.1 / 3

Diagnosis: ANW

Date of issue: 29/11/2023

B118 AC RENTAL EUROPE.

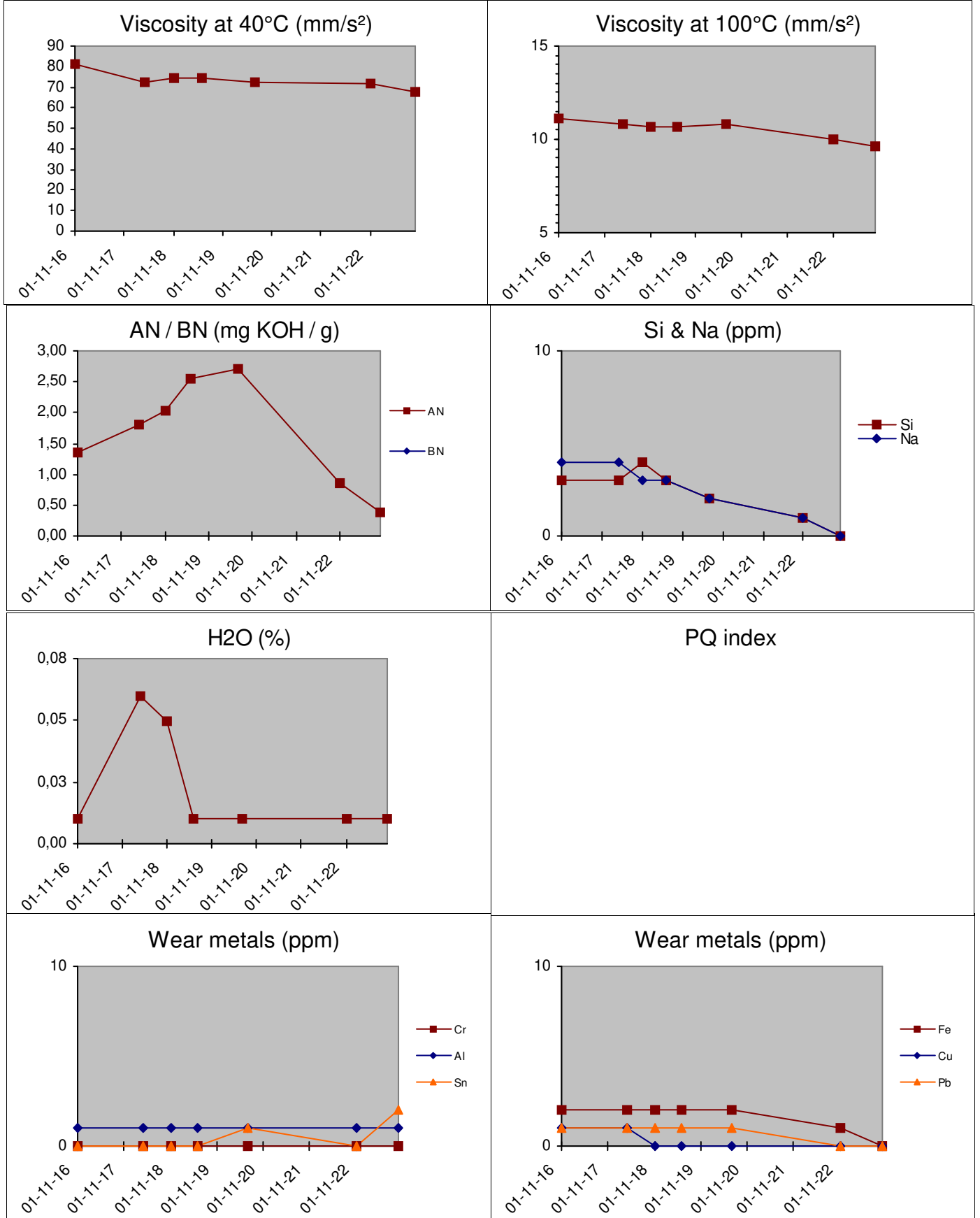


## History lubricant:

27.11.23 Q019

1	27.11.23 Q019	ATLAS COPCO ROTO Z ISO 68
2	03.01.23 O005	ATLAS COPCO ROTO Z
3	29.07.20 O004	ATLAS PAROIL E MISS.GREEN SAE 15W40
4	24.06.19 O008	ATLAS PAROIL E SAE 15W40
5	19.11.18 O005	ATLAS PAROIL E SAE 15W40
6	13.04.18 L005	ATLAS COPCO ? SAE 15W40

History 27.11.23 Q019



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