

System: AIR COMPRESSOR
Sump Capacity (k): 60 L
Lubricant (k): ATLAS COPCO ROTO Z ISO 68
Labocodenbr: 109830-ND.9
Samplenummer: 17.04.24 O006
Labelnummer: 429000800653
Date sample drawn (k): 9.04.2024
Sampling: by client

Customer (k): ATLAS COPCO RENTAL EUROP
Luc Despeghele
Address (k): INDUSTRIEWEG 1F
B- 2850 BOOM
Your customer (k): 329562/13484
Your ref. (k): D+/329562/13484A/PTS1600



Oil



Pollution



Wear



Diagnostic

We notice an increased zinc and calcium content. Wear elements within tolerance.

Attention

Results:	Method*	Unit	Current sample						17.04.24 O006
Analysis date			17/04/2024	27/11/2023	30/09/2021	14/03/2019	26/05/2017	10/11/2016	
Date of receipt			17/04/2024	27/11/2023	30/09/2021	14/03/2019	26/05/2017	10/11/2016	
Sample date (k)			9/04/2024	10/10/2023	22/09/2021	6/03/2019	17/05/2017	28/10/2016	
H/Km Oil (k)			? H	? H	1484 H	9565 H	1500 H	2000 H	
H/Km total (k)			12215 H	12082 H	11449 H	9565 H	7432 H	5428 H	
Top up (k)			?	?	?	85	?	60	

Oil Condition:

Viscosity at 40°C	ASTM D7279	cSt	67.2	69.1	75.4	76.5	78.3	81.7
Viscosity at 100°C	ASTM D7279	cSt	9.7	9.9	10.7	10.8	11.1	11.1
Viscosity-index	ASTM D2270		127	127	130	130	132	125
Fuel dilution	ASTM D7593	%						
AN	ASTM D8045	mg KOH/g	0.39	0.76	2.78	2.60	2.10	1.60
BN	ASTM D2896B	mg KOH/g						
Oxidation	ASTM E2412 (A)	Abs/0.1mm	4.3	6.0				
Nitration	ASTM E2412	Abs/0.1mm	3.4	3.3				
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	150	< 5	1710	1740	1930	1530
Mg: Magnesium	ASTM D5185 (A)	ppm	34	115	397	398	544	647
P: Phosphorus	ASTM D5185 (A)	ppm	504	920	1075	1102	1279	1148
S: Sulfur	ASTM D5185	%	0.07	0.12	0.33	0.38	0.39	0.38
Zn: Zink	ASTM D5185 (A)	ppm	106	325	1200	1286	1434	1332

Pollution:

Si: Silicon	ASTM D5185 (A)	ppm	< 10	< 10	< 10	< 10	< 10	< 10
B: Boron	ASTM D5185	ppm	14	41	151	194	200	140
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	< 0.04
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	6	18	62	62	72	61
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.

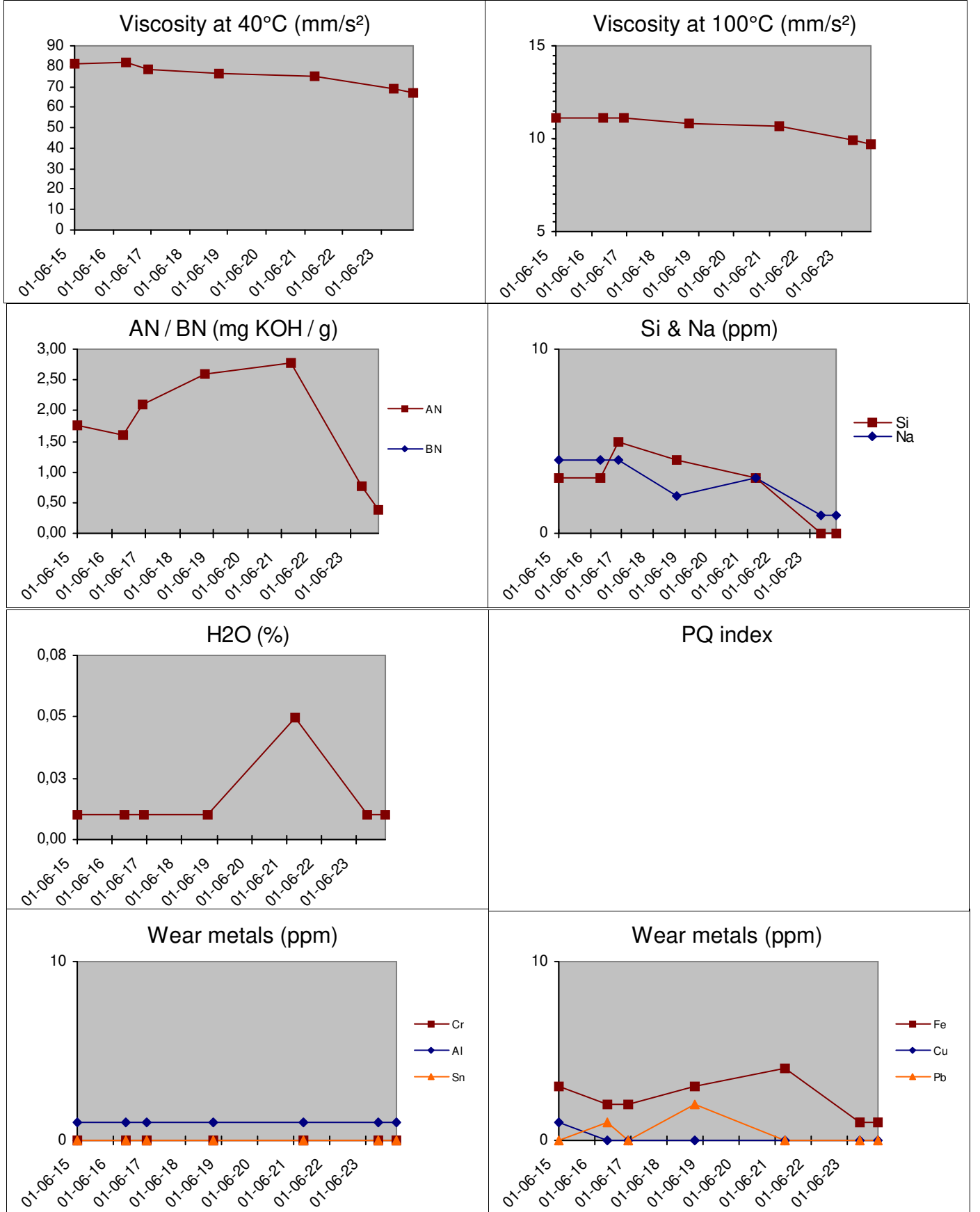


History lubricant:

17.04.24 O006

1	17.04.24 O006	ATLAS COPCO ROTO Z ISO 68
2	27.11.23 O009	ATLAS COPCO ROTO Z ISO 68
3	30.09.21 O003	ATLAS PAROIL E MISS.GREEN SAE 15W40
4	14.03.19 O005	ATLAS PAROIL E MISS.GREEN SAE 15W40
5	26.05.17 O006	ATLAS PAROIL E MISS.GREEN SAE 15W40
6	10.11.16 L009	ATLAS PAROIL E MISS.GREEN SAE 15W40

History 17.04.24 O006



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