

System: AIR COMPRESSOR
Sump Capacity (k): 80 L
Lubricant (k): ATLAS COPCO ROTO Z ISO 68
Labocodenbr: 109830-EB.9
Samplenummer: 27.11.23 Q007
Labelnummer: 00740672
Date sample drawn (k): 10.08.2023
Sampling: by client

Customer (k): ATLAS COPCO RENTAL EUROP
Luc Despeghele
Address (k): INDUSTRIEWEG 1F
B- 2850 BOOM
Your customer (k): 666908/10377
Your ref. (k): D+/666908/10377/PTE1500

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 Q007				
Analysis date			27/11/2023	17/06/2020	6/11/2018	2/05/2017	3/03/2017	5/01/2017
Date of receipt			27/11/2023	17/06/2020	6/11/2018	2/05/2017	3/03/2017	5/01/2017
Sample date (k)			10/08/2023	5/03/2020	25/10/2018	20/03/2017	12/02/2017	26/12/2016
H/Km Oil (k)			43305 H	1069 H	1000 H	2000 H	1000 H	1000 H
H/Km total (k)			43305 H	37564 H	36495 H	34797 H	33982 H	32969 H
Top up (k)			55	80	65	?	?	?

Oil Condition:

Viscosity at 40°C	ASTM D7279	cSt	67.6	67.3	59.6	78.0	80.8	79.8
Viscosity at 100°C	ASTM D7279	cSt	9.6	10.1	8.8	11.1	11.4	11.2
Viscosity-index	ASTM D2270		123	136	151	133	133	131
Fuel dilution	ASTM D7593	%						
AN	ASTM D8045	mg KOH/g	0.33	2.55	2.18	1.43	1.68	2.02
BN	ASTM D2896B	mg KOH/g						
Oxidation	ASTM E2412 (A)	Abs/0.1mm	4.6					
Nitration	ASTM E2412	Abs/0.1mm	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	205	1920	2330	1770	1750	1850
Mg: Magnesium	ASTM D5185 (A)	ppm	43	320	142	414	435	516
P: Phosphorus	ASTM D5185 (A)	ppm	739	1047	952	1110	1085	1219
S: Sulfur	ASTM D5185	%	0.08	0.33	0.27	0.34	0.32	0.37
Zn: Zink	ASTM D5185 (A)	ppm	137	1194	1117	1273	1270	1356

Pollution:

Si: Silicium	ASTM D5185 (A)	ppm	< 10	< 10	< 10	< 10	< 10	< 10
B: Boron	ASTM D5185	ppm	11	138	112	191	177	189
Na: Sodium	ASTM D5185 (A)	ppm	< 5	< 5	< 5	< 5	< 5	< 5
Water	WI-0002	%	< 0.04	0.05	0.06	< 0.04	0.05	< 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	7	51	22	66	65	68
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 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.

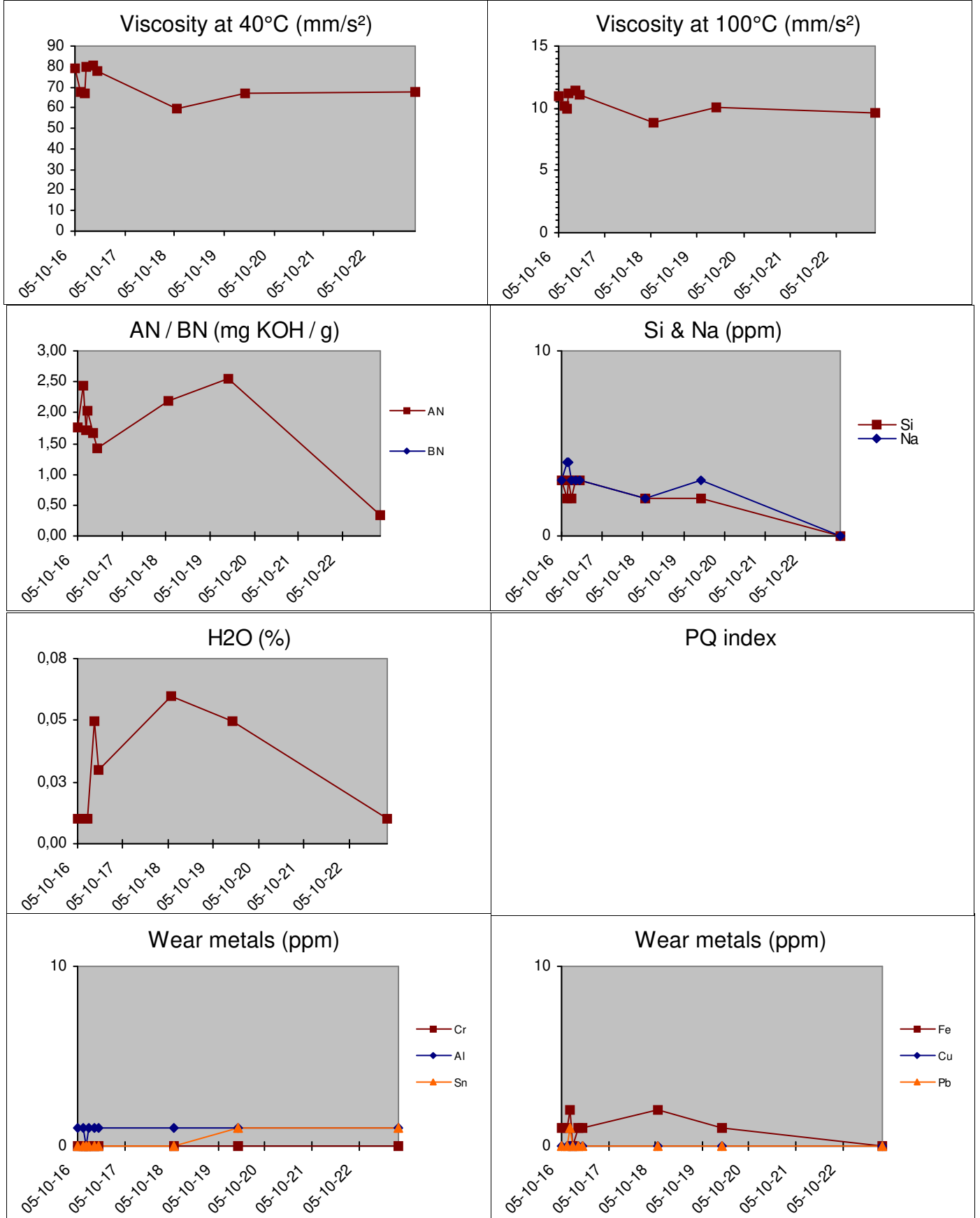


History lubricant:

27.11.23 Q007

1	27.11.23 Q007	ATLAS COPCO ROTO Z ISO 68
2	17.06.20 Q014	ATLAS PAROIL E MISS.GREEN SAE 15W40
3	06.11.18 O004	ATLAS PAROIL E MISS.GREEN SAE 15W40
4	02.05.17 F011	ATLAS PAROIL E MISS.GREEN SAE 15W40
5	03.03.17 O016	ATLAS PAROIL E MISS.GREEN SAE 15W40
6	05.01.17 O016	ATLAS PAROIL E MISS.GREEN SAE 15W40

History 27.11.23 Q007



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