

System: DIESEL ENGINE  
Sump Capacity (k): 80 L  
Lubricant (k): ATLAS PAROIL E MISS.GREEN SAE 15W40  
Labocodenbr: 109830-wf.1  
Samplenummer: 27.11.23 C007  
Labelnummer: 00740785  
Date sample drawn (k): 8.11.2023  
Sampling: by client

Customer (k): ATLAS COPCO RENTAL EUROP  
Luc Despeghel  
Address (k): INDUSTRIEWEG 1F  
B- 2850 BOOM  
Your customer (k): 391699/14216  
Your ref. (k): D+/391699/14216/PTS1600

## Diagnostic



Oil



Pollution



Wear



We notice an increased iron content. The other characteristics are considered as normal.

Attention

Results:	Method*	Unit	Current sample						27.11.23 C007
Analysis date			27/11/2023	3/11/2022	29/09/2022	2/11/2021	25/08/2021	23/03/2021	
Date of receipt			27/11/2023	3/11/2022	29/09/2022	2/11/2021	25/08/2021	23/03/2021	
Sample date (k)			8/11/2023	12/10/2022	?	20/10/2021	19/08/2021	15/03/2021	
H/Km Oil (k)			? H	84 H	215 H	4308 H	363 H	370 H	
H/Km total (k)			5035 H	4607 H	4523 H	4308 H	3869 H	3506 H	
Top up (k)			80	?	80	80	80	80	

## Oil Condition:

Viscosity at 40°C	ASTM D7279	cSt						
Viscosity at 100°C	ASTM D7279	cSt	14.7	14.7	14.2	14.0	14.4	14.5
Viscosity-index	ASTM D2270							
Fuel dilution	ASTM D7593	%	0.55	0.65	0.64	0.54	0.53	0.47
AN	ASTM D8045	mg KOH/g						
BN	ASTM D2896B	mg KOH/g						
Oxidation	ASTM E2412 (A)	Abs/0.1mm	15.5	14.2	15.2	16.1	15.1	16.7
Nitration	ASTM E2412	Abs/0.1mm	10.8	8.8	8.1	6.6	6.0	7.7
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	2830	2600	2030	2310	1770	1670
Mg: Magnesium	ASTM D5185 (A)	ppm	57	26	215	517	398	387
P: Phosphorus	ASTM D5185 (A)	ppm	1229	1190	1054	1386	1064	1012
S: Sulfur	ASTM D5185	%	0.36	0.38	0.32	0.39	0.32	0.30
Zn: Zink	ASTM D5185 (A)	ppm	1413	1326	1223	1654	1271	1297

## Pollution:

Si: Silicium	ASTM D5185 (A)	ppm	10	< 10	< 10	< 10	< 10	10
B: Boron	ASTM D5185	ppm	39	59	28	105	88	63
Na: Sodium	ASTM D5185 (A)	ppm	6	< 5	< 5	< 5	< 5	< 5
Water	WI-0002	%	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
Water (KF)	ASTM D6304C	ppm						
Soot content	ASTM E2412 (A)	%	0.21	0.10	0.13	0.12	0.13	0.21
Antifreeze	ASTM D2982A		Neg.	Neg.	Neg.	Neg.	Neg.	Neg.
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	7	< 5	5	< 5	< 5	13
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	65	8	16	13	13	53
Mo: Molybdenum	ASTM D5185 (A)	ppm	114	96	80	83	64	60
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: 2333302 - p.1 / 3

Diagnosis: ANW

Date of issue: 29/11/2023

B118 AC RENTAL EUROPE.

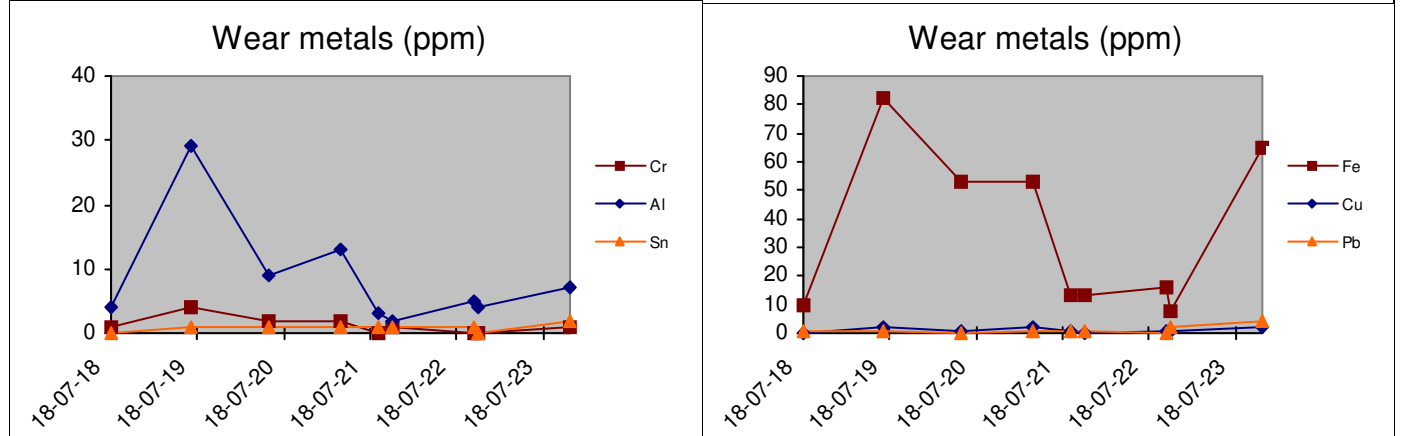
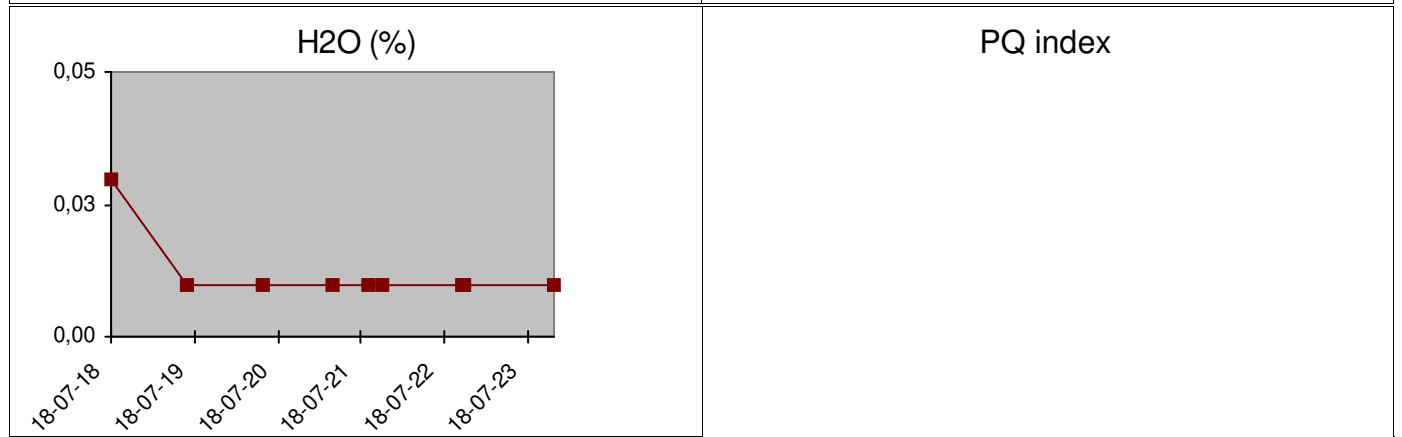
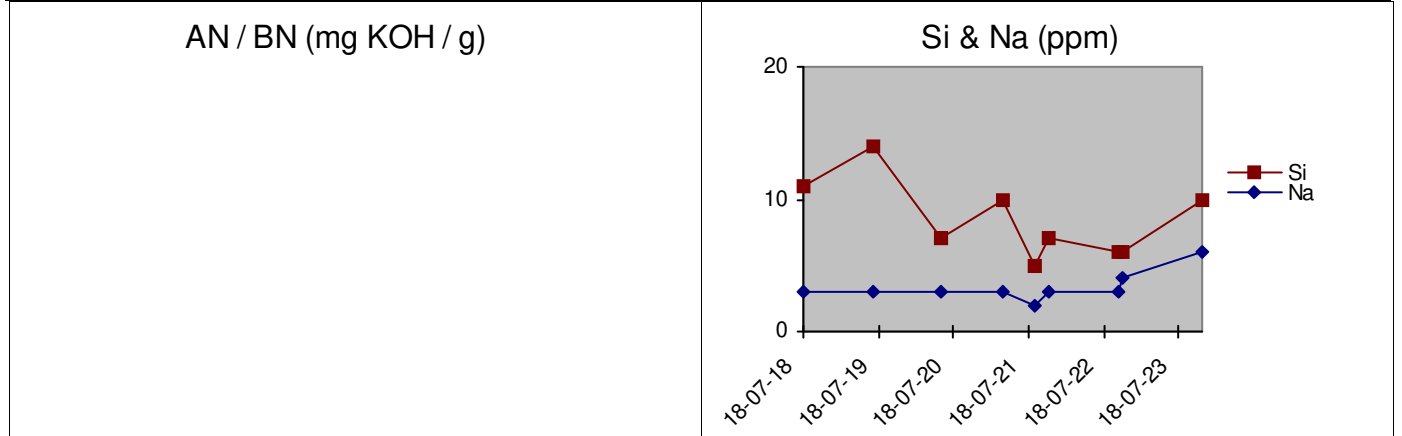
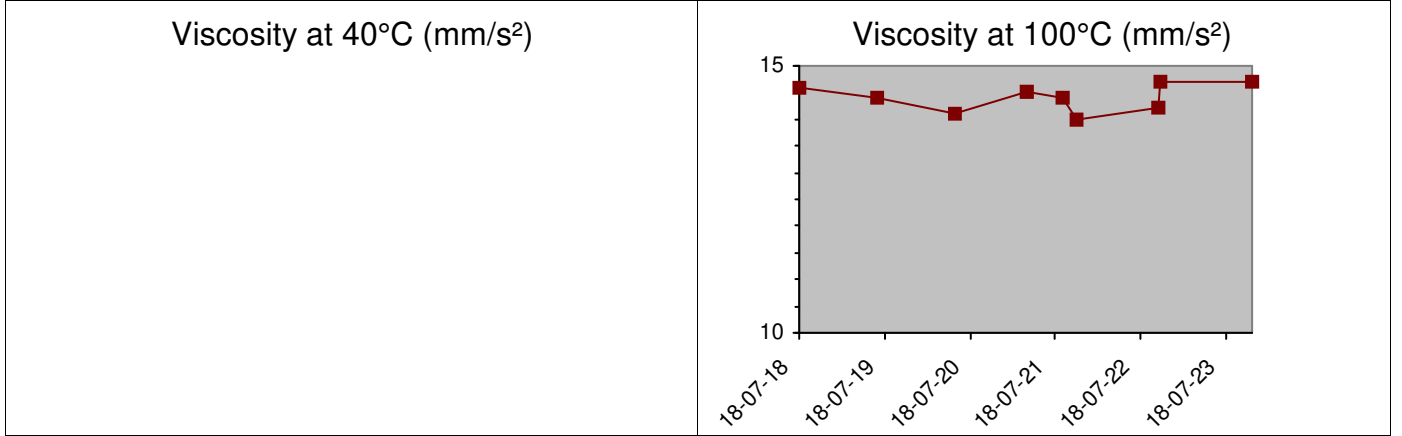


## History lubricant:

27.11.23 C007

1	27.11.23 C007	ATLAS PAROIL E MISS.GREEN SAE 15W40
2	03.11.22 A009	ATLAS PAROIL E MISS.GREEN SAE 15W40
3	29.09.22 A006	ATLAS PAROIL E MISS.GREEN SAE 15W40
4	02.11.21 A010	ATLAS COPCO PAROIL E
5	25.08.21 A006	ATLAS COPCO PAROIL E
6	23.03.21 A013	ATLAS COPCO PAROIL E

History 27.11.23 C007



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