

System: DIESEL ENGINE  
Sump Capacity (k): 80 L  
Lubricant (k): ATLAS PAROIL E GREEN SAE 15W40  
Labocodenbr: 109830-MZ.1  
Samplenummer: 12.07.24 A008  
Labelnummer: 429000801863  
Date sample drawn (k): 15.11.2023  
Sampling: by client

Customer (k): ATLAS COPCO RENTAL EUROP  
Luc Despeghel  
Address (k): INDUSTRIEWEG 1F  
B- 2850 BOOM  
Your customer (k): 336456/13577  
Your ref. (k):

## Diagnostic



Oil



Pollution



Wear



Attention: high content of iron. Attention: high content of aluminium. The other characteristics are considered as normal.

Action

Results:	Method*	Unit	Current sample	12.07.24 A008				
Analysis date			12/07/2024	3/01/2024	4/10/2019	17/01/2018	14/06/2016	31/03/2016
Date of receipt			12/07/2024	3/01/2024	4/10/2019	17/01/2018	14/06/2016	31/03/2016
Sample date (k)			15/11/2023	?	25/09/2019	10/01/2018	6/06/2016	?
H/Km Oil (k)			? H	500 H	60 H	245 H	300 H	? H
H/Km total (k)			4386 H	4344 H	3392 H	2954 H	2709 H	2648 H
Top up (k)			?	84	80	?	?	?

## Oil Condition:

Viscosity at 40°C	ASTM D7279	cSt						
Viscosity at 100°C	ASTM D7279	cSt	14.7	15.7	15.1	14.7	13.8	14.0
Viscosity-index	ASTM D2270							
Fuel dilution	ASTM D7593	%	0.74	0.46	0.49	0.26	0.45	0.40
AN	ASTM D8045	mg KOH/g						
BN	ASTM D2896B	mg KOH/g						
Oxidation	ASTM E2412 (A)	Abs/0.1mm	12.4	14.5	14.0	14.7	13.3	12.8
Nitration	ASTM E2412	Abs/0.1mm	8.1	11.0	7.5	9.6	7.9	7.3
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	2440	2500	1910	1770	1590	1560
Mg: Magnesium	ASTM D5185 (A)	ppm	35	91	405	401	721	748
P: Phosphorus	ASTM D5185 (A)	ppm	1128	1061	1363	1056	1161	1170
S: Sulfur	ASTM D5185	%	0.42	0.32	0.33	0.41	0.40	0.40
Zn: Zink	ASTM D5185 (A)	ppm	1280	1197	1304	1281	1427	1434

## Pollution:

Si: Silicon	ASTM D5185 (A)	ppm	12	10	< 10	19	< 10	< 10
B: Boron	ASTM D5185	ppm	176	26	123	86	90	97
Na: Sodium	ASTM D5185 (A)	ppm	< 5	5	< 5	< 5	5	5
Water	WI-0002	%	< 0.04	0.08	< 0.04	< 0.04	< 0.04	< 0.04
Water (KF)	ASTM D6304C	ppm						
Soot content	ASTM E2412 (A)	%	0.14	0.43	0.95	0.88	0.32	0.23
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	30	13	9	38	37	24
Cr: Chromium	ASTM D5185 (A)	ppm	< 5	7	< 5	14	< 5	< 5
Cu: Copper	ASTM D5185 (A)	ppm	< 5	< 5	< 5	10	< 5	< 5
Fe: Iron	ASTM D5185 (A)	ppm	171	82	120	1058	117	57
Mo: Molybdenum	ASTM D5185 (A)	ppm	101	98	68	70	64	63
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 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: 2419704 - p.1 / 3

Diagnosis: KDS

Date of issue: 15/07/2024

B118 AC RENTAL EUROPE.

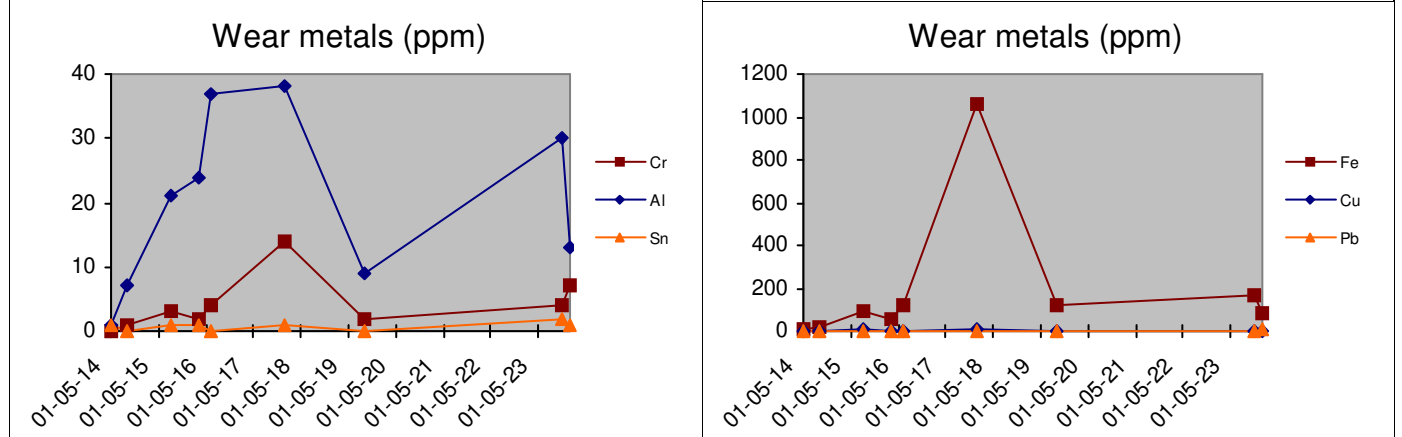
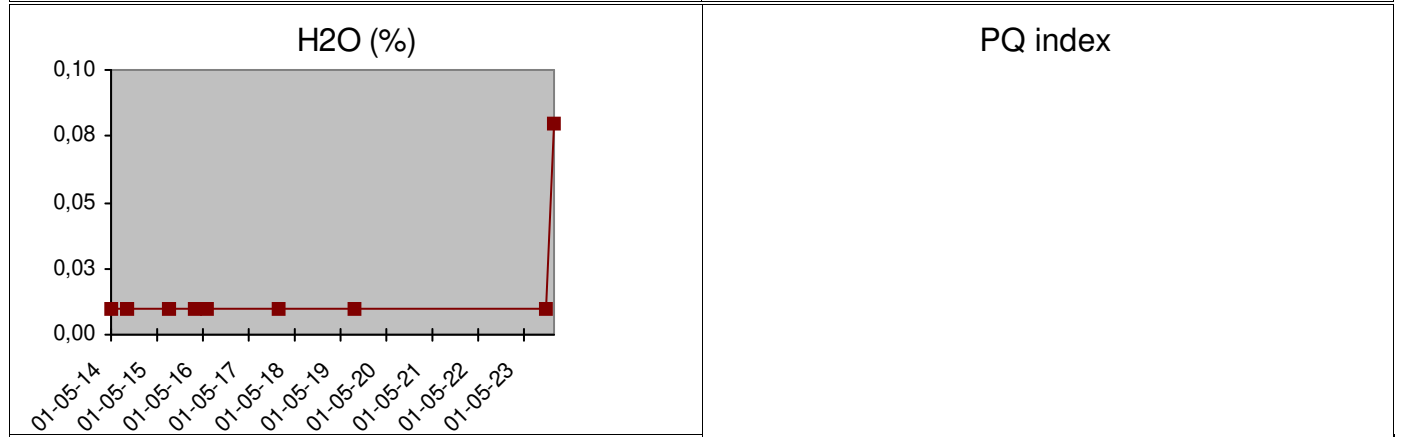
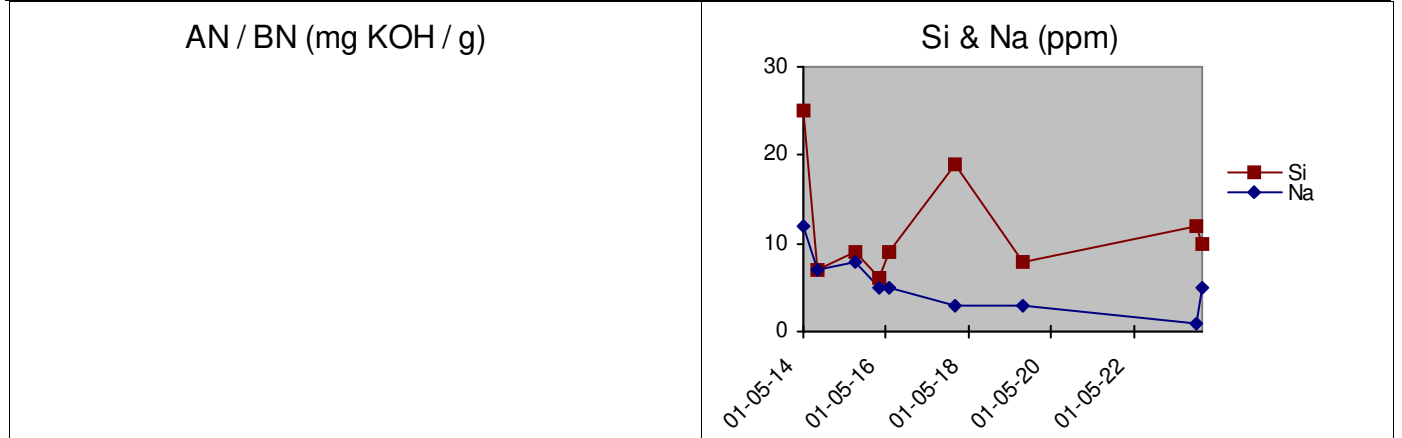
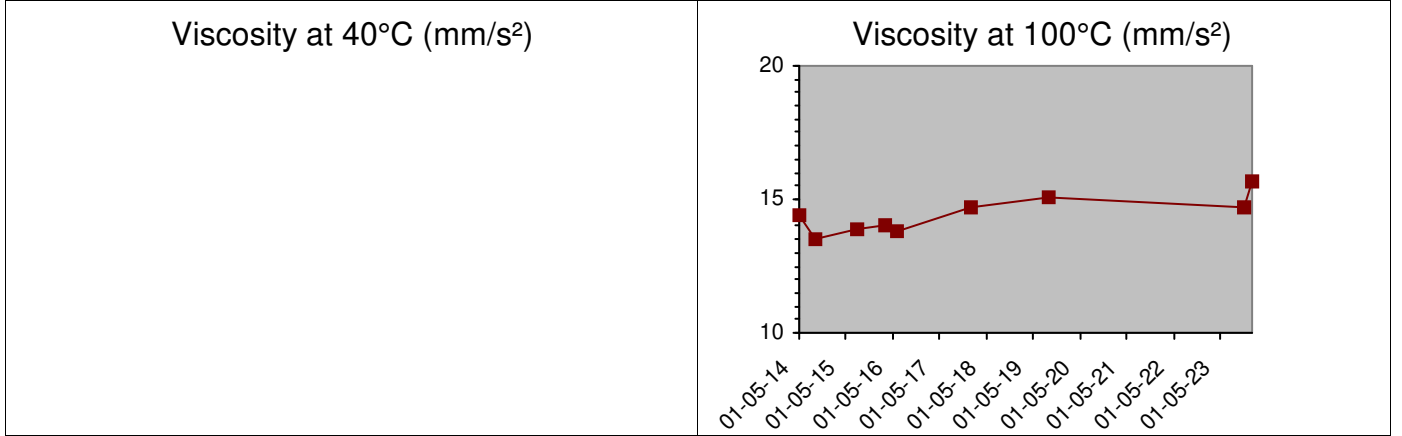


## History lubricant:

12.07.24 A008

1	12.07.24 A008	ATLAS PAROIL E GREEN SAE 15W40
2	03.01.24 C005	ATLAS PAROIL E GREEN SAE 15W40
3	04.10.19 A004	ATLAS PAROIL E GREEN SAE 15W40
4	17.01.18 A015	ATLAS PAROIL E GREEN SAE 15W40
5	14.06.16 A004	ATLAS PAROIL E SAE 15W40
6	31.03.16 B006	ATLAS PAROIL E SAE 15W40

History 12.07.24 A008



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