

System: DIESEL ENGINE  
Sump Capacity (k): 75 L  
Lubricant (k): ATLAS PAROIL E MISS.GREEN SAE 15W40  
Labocodenbr: 109830-WY.1  
Samplenummer: 12.07.24 A018  
Labelnummer: 429000801852  
Date sample drawn (k): 5.07.2024  
Sampling: by client

Customer (k): ATLAS COPCO RENTAL EUROP  
Luc Despeghel  
Address (k): INDUSTRIEWEG 1F  
B- 2850 BOOM  
Your customer (k): 313272/13359  
Your ref. (k):

## Diagnostic



Oil



Pollution



Wear



Silicon content higher as normal. The other characteristics are considered as normal.

Attention

Results:	Method*	Unit	Current sample	12.07.24 A018				
Analysis date			12/07/2024	8/01/2021	7/08/2019	6/11/2018	2/08/2018	29/06/2018
Date of receipt			12/07/2024	8/01/2021	7/08/2019	6/11/2018	2/08/2018	29/06/2018
Sample date (k)			5/07/2024	?	?	25/10/2018	30/06/2018	8/06/2018
H/Km Oil (k)			4315 Km	320 H	113 H	? H	500 H	200 H
H/Km total (k)			4315 Km	3551 H	3213 H	3185 H	3100 H	2866 H
Top up (k)			?	80	?	?	?	?

## Oil Condition:

Viscosity at 40°C	ASTM D7279	cSt						
Viscosity at 100°C	ASTM D7279	cSt	14.6	14.4	14.5	11.2	13.6	13.6
Viscosity-index	ASTM D2270							
Fuel dilution	ASTM D7593	%	0.65	0.41	0.91	1.18	0.76	0.52
AN	ASTM D8045	mg KOH/g						
BN	ASTM D2896B	mg KOH/g						
Oxidation	ASTM E2412 (A)	Abs/0.1mm	15.2	14.5	14.7	19.0	16.7	15.1
Nitration	ASTM E2412	Abs/0.1mm	11.3	5.9	6.5	12.3	10.7	8.9
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	2895	1830	1820	1430	1660	1530
Mg: Magnesium	ASTM D5185 (A)	ppm	16	383	425	607	872	860
P: Phosphorus	ASTM D5185 (A)	ppm	1259	1071	1194	822	1201	1169
S: Sulfur	ASTM D5185	%	0.44	0.36	0.34	0.28	0.37	0.39
Zn: Zink	ASTM D5185 (A)	ppm	1519	1264	1285	1108	1400	1358

## Pollution:

Si: Silicon	ASTM D5185 (A)	ppm	16	19	< 10	< 10	< 10	< 10
B: Boron	ASTM D5185	ppm	59	81	120	41	4	5
Na: Sodium	ASTM D5185 (A)	ppm	7	< 5	78	37	6	5
Water	WI-0002	%	< 0.04	< 0.04	0.63	33.60	< 0.04	0.04
Water (KF)	ASTM D6304C	ppm						
Soot content	ASTM E2412 (A)	%	0.33	0.19	0.10	0.14	0.16	0.11
Antifreeze	ASTM D2982A		Neg.	Neg.	Pos.	Pos.	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	9	5	17	14	30	9
Cr: Chromium	ASTM D5185 (A)	ppm	< 5	5	< 5	< 5	< 5	< 5
Cu: Copper	ASTM D5185 (A)	ppm	< 5	< 5	< 5	< 5	7	< 5
Fe: Iron	ASTM D5185 (A)	ppm	37	75	96	27	75	33
Mo: Molybdenum	ASTM D5185 (A)	ppm	115	60	67	51	58	52
Pb: Lead	ASTM D5185 (A)	ppm	6	< 5	< 5	< 5	< 5	< 5
Sn: Tin	ASTM D5185	ppm	4	1	< 1	< 1	< 1	< 1
PQ index	WI-0021					28		

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: 2419801 - p.1 / 3

Diagnosis: KDS

Date of issue: 16/07/2024

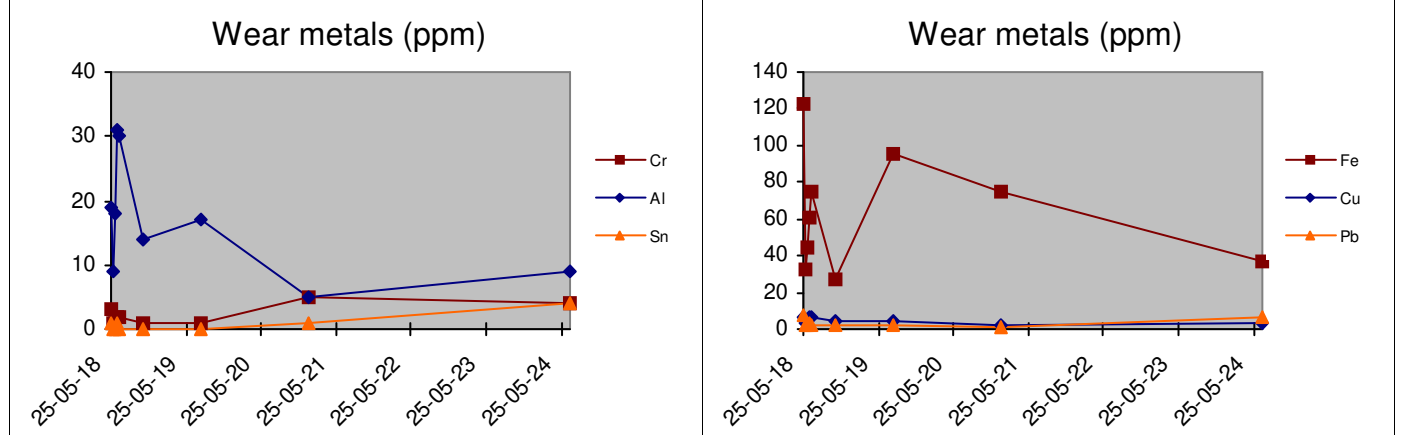
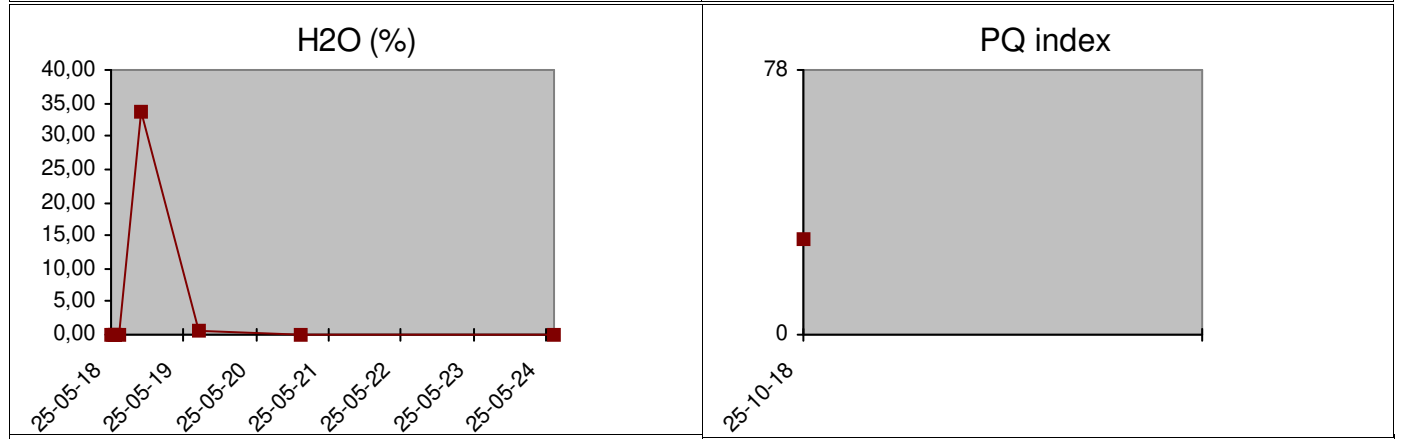
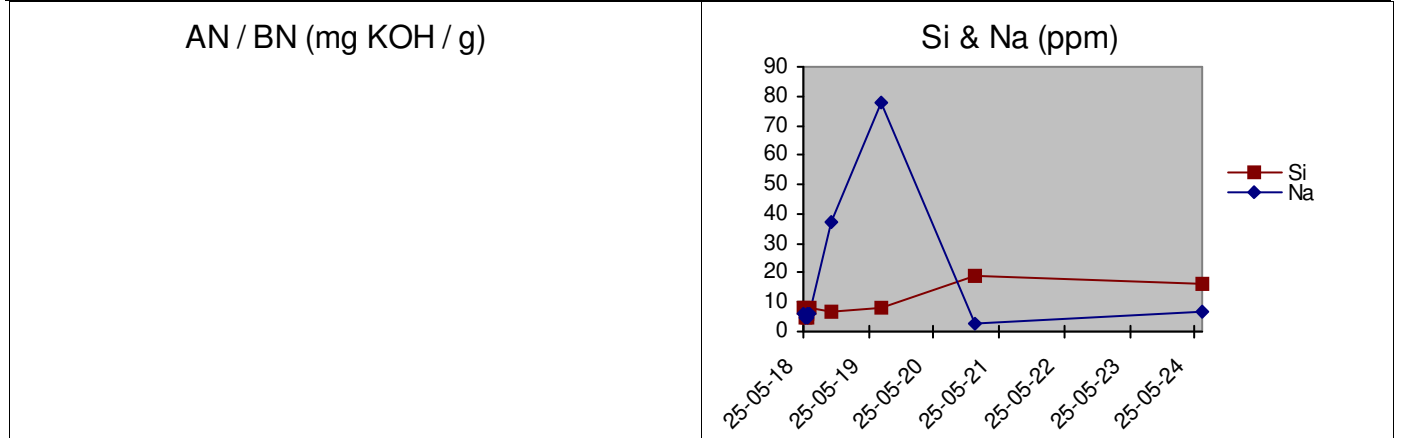
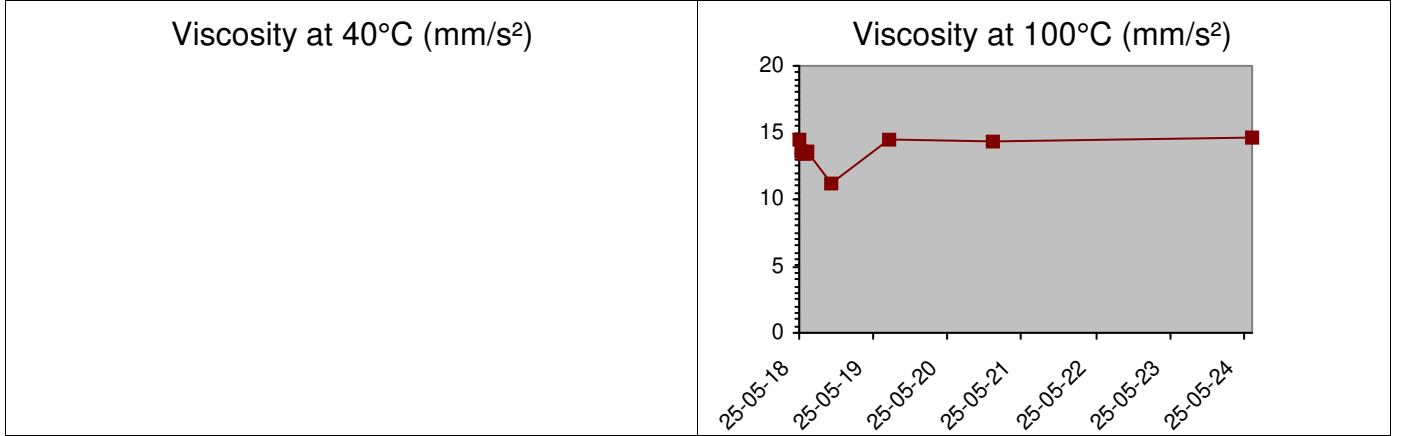
B118 AC RENTAL EUROPE.

## History lubricant:

12.07.24 A018

1	12.07.24 A018	ATLAS PAROIL E MISS.GREEN SAE 15W40
2	08.01.21 A007	ATLAS PAROIL E MISS.GREEN SAE 15W40
3	07.08.19 A003	ATLAS PAROIL E MISS.GREEN SAE 15W40
4	06.11.18 A003	ATLAS PAROIL E MISS.GREEN SAE 15W40
5	02.08.18 A006	TOTAL RUBIA WORKS SAE 10W40
6	29.06.18 A009	TOTAL RUBIA WORKS SAE 10W40

History 12.07.24 A018



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