

System: DIESEL ENGINE  
 Sump Capacity (k): 40 L  
 Lubricant (k): ATLAS COPCO PAROIL E MISSION SAE 15W40  
 Labocodenbr: 109830-CQ.1  
 Samplenumbr: 04.06.24 A009  
 Labelnummer: 00731993  
 Date sample drawn (k): 28.05.2024  
 Sampling: by client

Customer (k): ATLAS COPCO RENTAL EUROP  
 Luc Despeghel  
 Address (k): INDUSTRIEWEG 1F  
 B- 2850 BOOM  
 Your customer (k): 411364/14299  
 Your ref. (k): B/411364/14299/PTS800

**Diagnostic**


Oil



Pollution



Wear



The oil is in good condition and the wear metals are considered normal.

**Normal**

Results:	Method*	Unit	Current sample	04.06.24 A009				
Analysis date			<b>4/06/2024</b>	24/01/2023	2/06/2020	17/01/2018	20/09/2016	14/06/2016
Date of receipt			<b>4/06/2024</b>	24/01/2023	2/06/2020	17/01/2018	20/09/2016	14/06/2016
Sample date (k)			<b>28/05/2024</b>	5/12/2022	7/05/2020	?	13/09/2016	9/06/2016
H/Km Oil (k)			<b>500 H</b>	517 H	7 H	500 H	473 H	278 H
H/Km total (k)			<b>3487 H</b>	2362 H	1524 H	1005 H	473 H	278 H
Top up (k)			?	40	?	?	?	?

**Oil Condition:**

Viscosity at 40°C	ASTM D7279	cSt						
Viscosity at 100°C	ASTM D7279	cSt	<b>14.3</b>	13.7	14.8	12.7	13.6	14.1
Viscosity-index	ASTM D2270							
Fuel dilution	ASTM D7593	%	<b>0.89</b>	0.76	0.47	0.50	0.68	0.90
AN	ASTM D8045	mg KOH/g						
BN	ASTM D2896B	mg KOH/g						
Oxidation	ASTM E2412 (A)	Abs/0.1mm	<b>18.1</b>	15.9	13.4	15.5	10.7	12.0
Nitration	ASTM E2412	Abs/0.1mm	<b>11.6</b>	7.2	4.7	8.7	5.5	5.2
PMCC	ASTM D93	°C						
COC	ASTM D92B	°C						
Color	ASTM D1500							

**Additives:**

Ba: Barium	ASTM D5185	ppm	<b>&lt; 1</b>	< 1	< 1	< 1	< 1	< 1
Ca: Calcium	ASTM D5185 (A)	ppm	<b>2362</b>	1820	1860	1430	1930	1990
Mg: Magnesium	ASTM D5185 (A)	ppm	<b>134</b>	434	411	912	398	358
P: Phosphorus	ASTM D5185 (A)	ppm	<b>1060</b>	1077	1106	1103	1149	1109
S: Sulfur	ASTM D5185	%	<b>0.37</b>	0.31	0.35	0.35	0.39	0.36
Zn: Zink	ASTM D5185 (A)	ppm	<b>1294</b>	1240	1267	1389	1305	1293

**Pollution:**

Si: Silicon	ASTM D5185 (A)	ppm	<b>&lt; 10</b>	< 10	< 10	<b>18</b>	< 10	< 10
B: Boron	ASTM D5185	ppm	<b>74</b>	97	121	75	158	164
Na: Sodium	ASTM D5185 (A)	ppm	<b>5</b>	< 5	< 5	7	< 5	< 5
Water	WI-0002	%	<b>&lt; 0.04</b>	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
Water (KF)	ASTM D6304C	ppm						
Soot content	ASTM E2412 (A)	%	<b>0.50</b>	0.18	0.10	0.21	0.26	0.11
Antifreeze	ASTM D2982A		<b>Neg.</b>	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	<b>16</b>	10	13	13	5	< 5
Cr: Chromium	ASTM D5185 (A)	ppm	<b>&lt; 5</b>	< 5	< 5	< 5	< 5	< 5
Cu: Copper	ASTM D5185 (A)	ppm	<b>7</b>	< 5	< 5	7	< 5	< 5
Fe: Iron	ASTM D5185 (A)	ppm	<b>60</b>	27	34	50	8	< 5
Mo: Molybdenum	ASTM D5185 (A)	ppm	<b>87</b>	69	64	49	68	62
Pb: Lead	ASTM D5185 (A)	ppm	<b>&lt; 5</b>	< 5	< 5	< 5	< 5	< 5
Sn: Tin	ASTM D5185	ppm	<b>2</b>	< 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: 2415701 - p.1 / 3

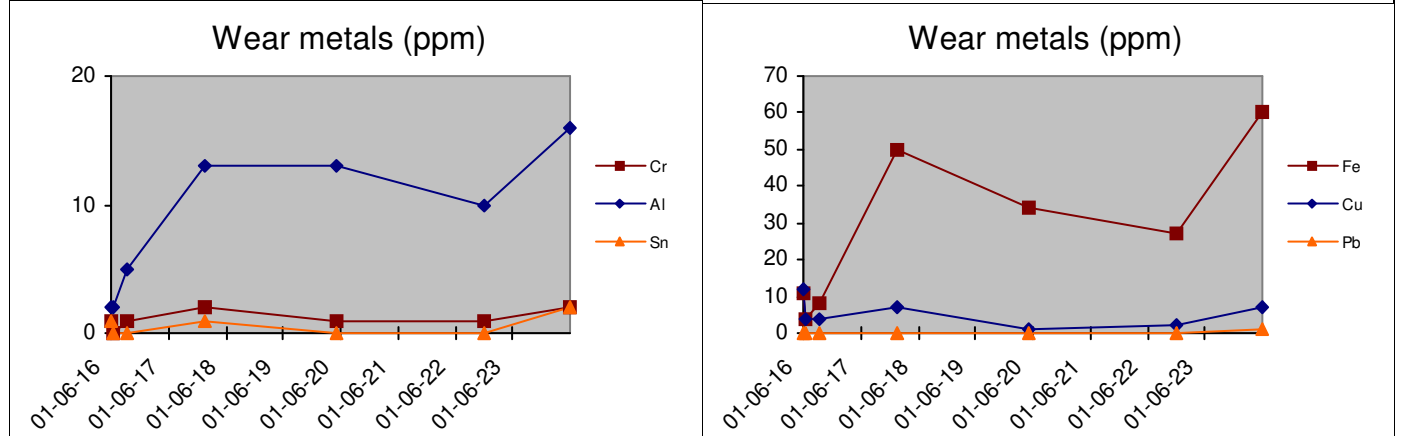
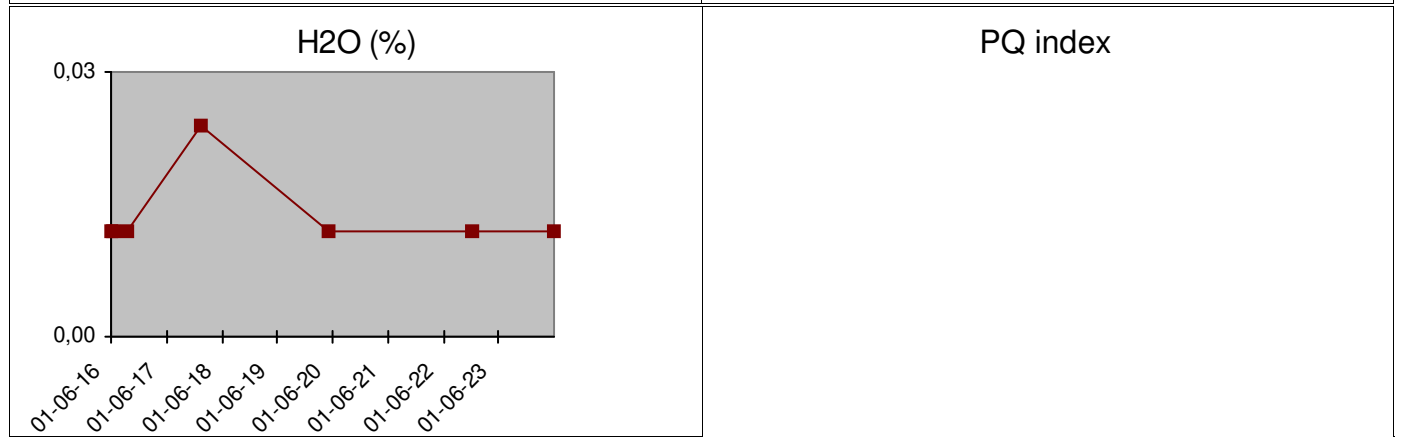
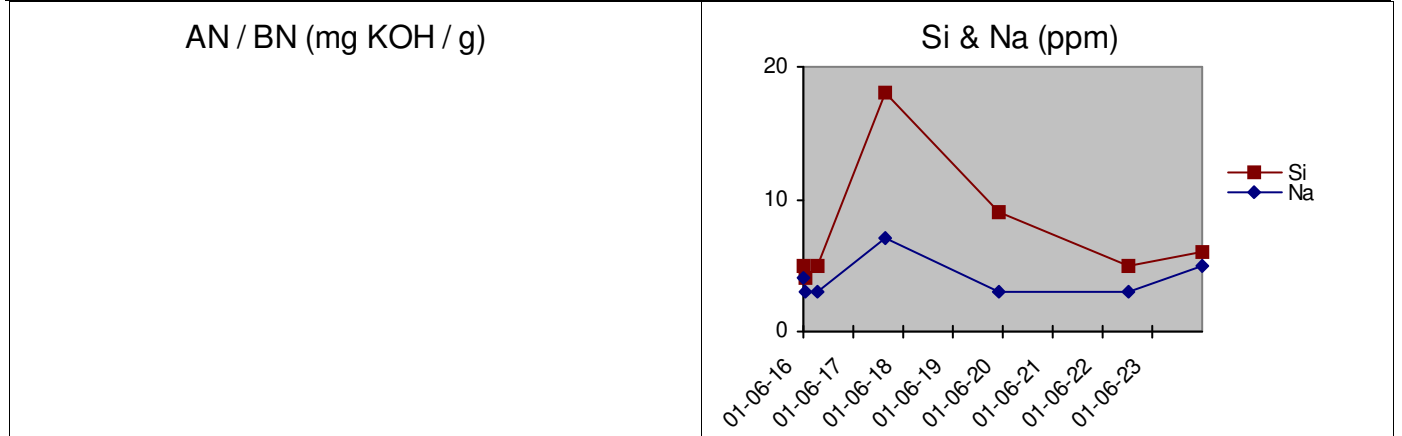
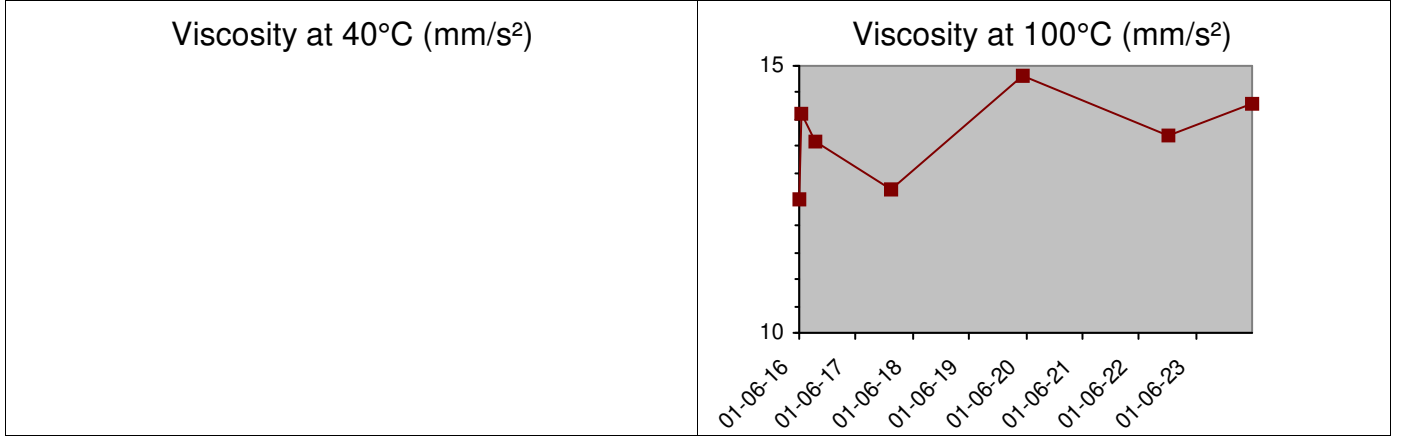
Diagnosis: ANW

Date of issue: 05/06/2024

B118 AC RENTAL EUROPE.

History lubricant:			04.06.24 A009
1	04.06.24 A009	ATLAS COPCO PAROIL E MISSION SAE 15W40	
2	24.01.23 A007	ATLAS COPCO PAROIL E	
3	02.06.20 A015	ATLAS PAROIL E MISS.GREEN SAE 15W40	
4	17.01.18 A021	ATLAS PAROIL E MISS.GREEN SAE 15W40	
5	20.09.16 A004	ATLAS PAROIL E MISS.GREEN SAE 15W40	
6	14.06.16 A003	ATLAS PAROIL E MISS.GREEN SAE 15W40	

History 04.06.24 A009



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