

System: DIESEL ENGINE
Sump Capacity (k): 85 L
Lubricant (k): ATLAS PAROIL E MISS.GREEN SAE 15W40
Labocodenbr: 109897-CP.1
Samplenummer: 22.04.24 A004
Labelnummer: 00744934
Date sample drawn (k): 17.04.2024
Sampling: by client

Customer (k): ATLAS COPCO RENTAL EUROPE
Luc Despeghel
Address (k): INDUSTRIEWEG 1F
B- 2850 BOOM
Your customer (k): 468946/15068
Your ref. (k): S/468946/15068/PTS1600



Oil



Pollution



Wear



Diagnostic

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

Normal

Results:	Method*	Unit	Current sample	22.04.24 A004				
Analysis date			22/04/2024	4/01/2022	13/04/2021	23/11/2020	2/11/2020	28/10/2020
Date of receipt			22/04/2024	4/01/2022	13/04/2021	23/11/2020	2/11/2020	28/10/2020
Sample date (k)			17/04/2024	29/11/2021	2/04/2021	11/11/2020	30/09/2020	21/10/2020
H/Km Oil (k)			500 H	?	530 H	479 H	477 H	502 H
H/Km total (k)			6962 H	?	5377 H	4847 H	3866 H	4368 H
Top up (k)			80	?	85	85	80	85

Oil Condition:

Viscosity at 40°C	ASTM D7279	cSt						
Viscosity at 100°C	ASTM D7279	cSt	14.2	14.2	14.6	14.7	14.1	14.4
Viscosity-index	ASTM D2270							
Fuel dilution	ASTM D7593	%	0.77	0.52	0.48	0.67	2.03	0.45
AN	ASTM D8045	mg KOH/g						
BN	ASTM D2896B	mg KOH/g						
Oxidation	ASTM E2412 (A)	Abs/0.1mm	14.3	18.1	18.2	16.4	6.8	15.8
Nitration	ASTM E2412	Abs/0.1mm	6.2	10.8	8.4	7.1	5.3	6.7
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	1960	2150	1950	1760	1710	2040
Mg: Magnesium	ASTM D5185 (A)	ppm	327	50	431	394	391	454
P: Phosphorus	ASTM D5185 (A)	ppm	1102	911	1154	1067	1027	1205
S: Sulfur	ASTM D5185	%	0.36	0.31	0.34	0.32	0.32	0.37
Zn: Zink	ASTM D5185 (A)	ppm	1238	1124	1401	1285	1270	1482

Pollution:

Si: Silicon	ASTM D5185 (A)	ppm	< 10	< 10	< 10	11	< 10	< 10
B: Boron	ASTM D5185	ppm	184	33	64	53	52	68
Na: Sodium	ASTM D5185 (A)	ppm	< 5	< 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)	%	0.04	0.06	0.08	0.11	0.04	0.06
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	< 5	6	56	24	13	10
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	16	17	80	84	17	29
Mo: Molybdenum	ASTM D5185 (A)	ppm	70	87	70	64	62	73
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.

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Diagnosis: ANW

Date of issue: 23/04/2024

B118 AC RENTAL EUROPE.

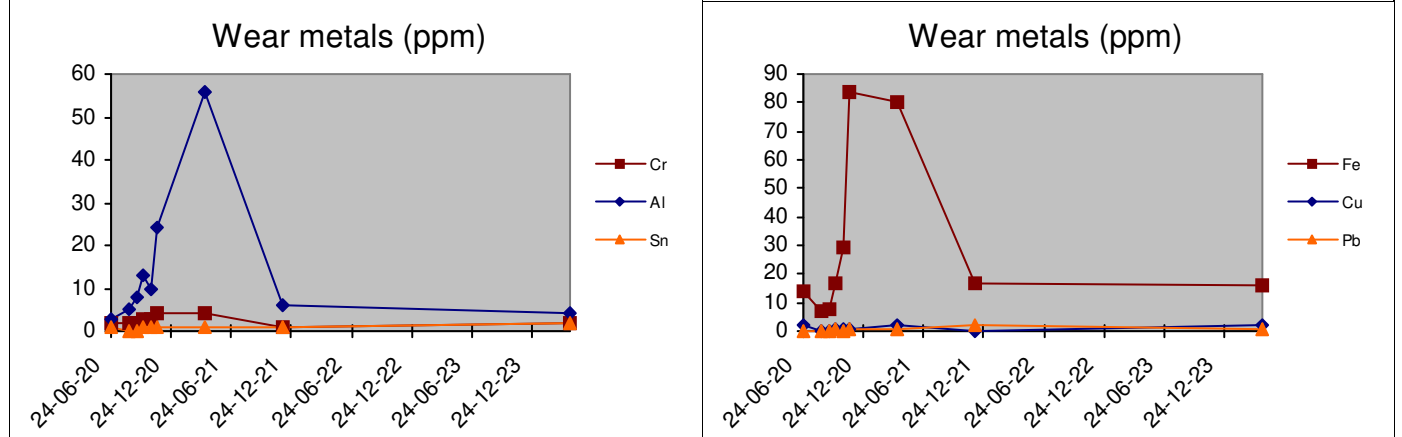
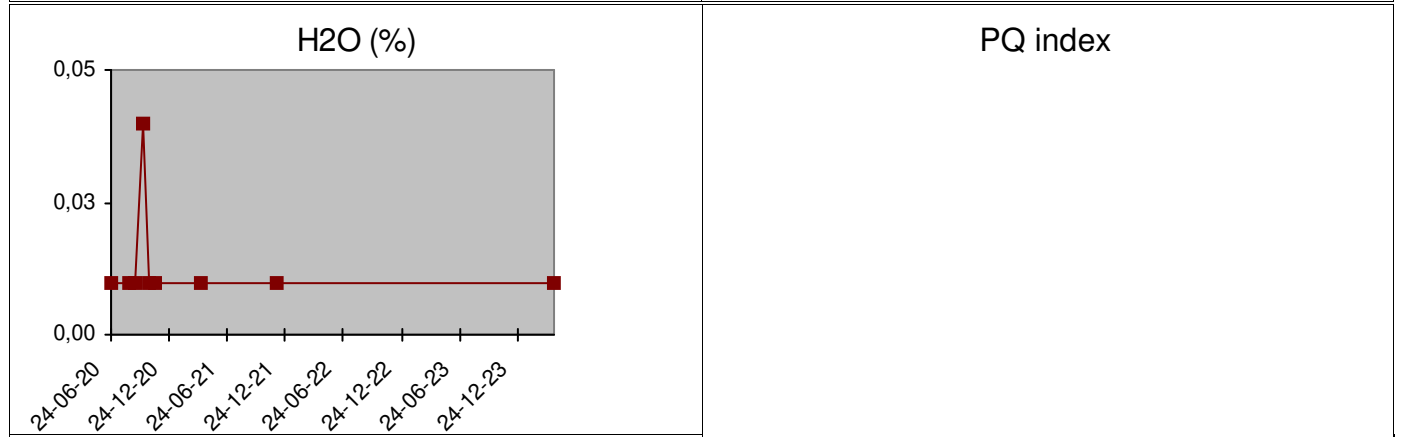
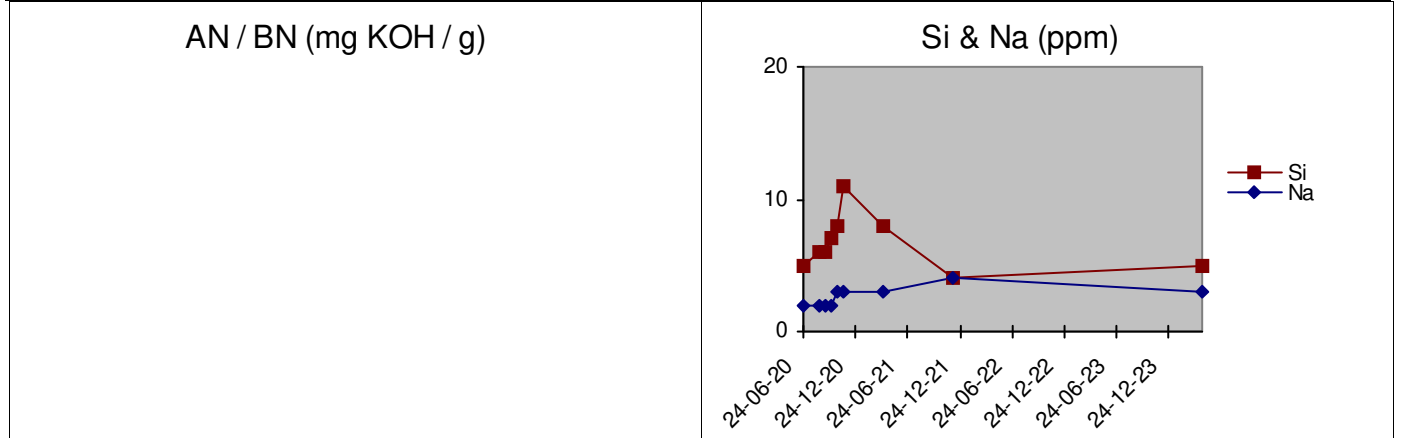
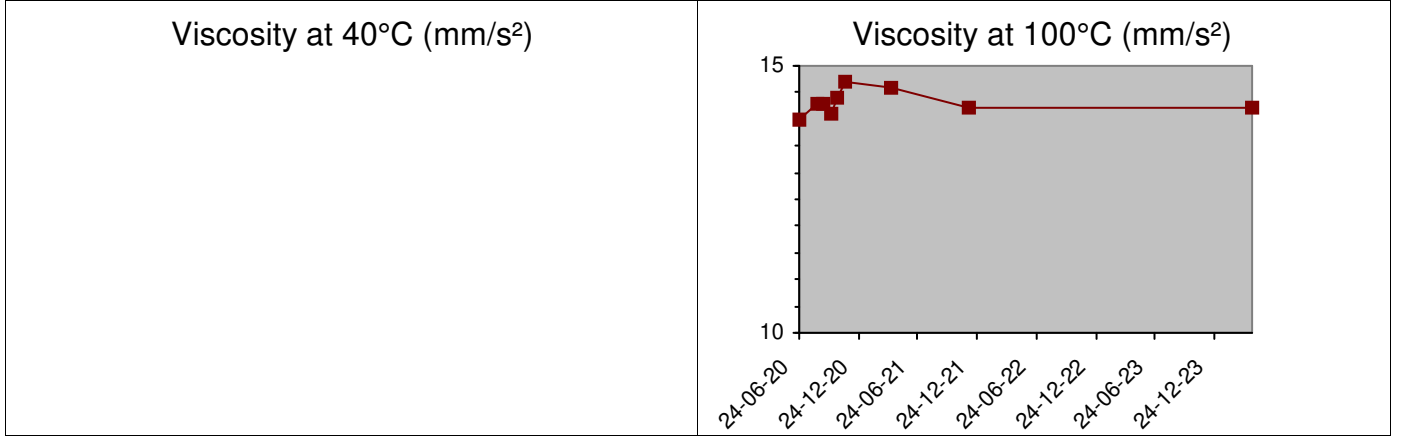


History lubricant:

22.04.24 A004

1	22.04.24 A004	ATLAS PAROIL E MISS.GREEN SAE 15W40
2	04.01.22 A013	ATLAS PAROIL E MISS.GREEN SAE 15W40
3	13.04.21 A013	ATLAS PAROIL E SAE 15W40
4	23.11.20 A010	ATLAS PAROIL E SAE 15W40
5	02.11.20 A003	ATLAS PAROIL E MISS.GREEN SAE 15W40
6	28.10.20 A003	ATLAS PAROIL E SAE 15W40

History 22.04.24 A004



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