

System: DIESEL ENGINE
Sump Capacity (k): 80 L
Lubricant (k): ATLAS PAROIL E MISS.GREEN SAE 15W40
Labocodenbr: 109830-OT.1
Samplenummer: 17.04.24 A004
Labelnummer: 429000800650
Date sample drawn (k): 11.04.2024
Sampling: by client

Customer (k): ATLAS COPCO RENTAL EUROP
Luc Despeghele
Address (k): INDUSTRIEWEG 1F
B- 2850 BOOM
Your customer (k): 304315/13307
Your ref. (k): D+/304315/13307/PTS1600



Oil



Pollution



Wear



Diagnostic

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

Normal

Results:	Method*	Unit	Current sample						17.04.24 A004
Analysis date			17/04/2024	27/11/2023	12/09/2019	20/12/2018	4/01/2017	3/03/2016	
Date of receipt			17/04/2024	27/11/2023	12/09/2019	20/12/2018	4/01/2017	3/03/2016	
Sample date (k)			11/04/2024	11/08/2023	9/09/2019	12/12/2018	27/12/2016	1/03/2016	
H/Km Oil (k)			? H	7782 H	500 H	5792 H	? H	66 H	
H/Km total (k)			7840 H	7782 H	6761 H	5792 H	3374 H	2922 H	
Top up (k)			?	80	80	80	?	80	

Oil Condition:

Viscosity at 40°C	ASTM D7279	cSt						
Viscosity at 100°C	ASTM D7279	cSt	14.5	14.6	16.0	14.7	14.5	14.2
Viscosity-index	ASTM D2270							
Fuel dilution	ASTM D7593	%	0.69	1.19	0.18	0.33	0.63	0.47
AN	ASTM D8045	mg KOH/g						
BN	ASTM D2896B	mg KOH/g						
Oxidation	ASTM E2412 (A)	Abs/0.1mm	12.6	13.5	18.5	20.8	15.9	11.6
Nitration	ASTM E2412	Abs/0.1mm	7.9	7.9	11.8	10.6	9.2	5.7
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	2263	2340	2130	2070	1970	1980
Mg: Magnesium	ASTM D5185 (A)	ppm	13	33	449	443	436	715
P: Phosphorus	ASTM D5185 (A)	ppm	1062	1080	1283	1210	1161	1221
S: Sulfur	ASTM D5185	%	0.23	0.33	0.32	0.32	0.36	0.57
Zn: Zink	ASTM D5185 (A)	ppm	1177	1141	1445	1414	1388	1430

Pollution:

Si: Silicon	ASTM D5185 (A)	ppm	< 10	< 10	< 10	< 10	< 10	< 10
B: Boron	ASTM D5185	ppm	87	73	55	34	79	163
Na: Sodium	ASTM D5185 (A)	ppm	9	< 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)	%	0.09	0.12	1.55	0.31	0.35	0.10
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	8	7	10	8	< 5	< 5
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	41	48	69	34	24	9
Mo: Molybdenum	ASTM D5185 (A)	ppm	92	93	80	70	71	58
Pb: Lead	ASTM D5185 (A)	ppm	< 5	< 5	7	5	< 5	< 5
Sn: Tin	ASTM D5185	ppm	1	2	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: 2411005 - p.1 / 3

Diagnosis: ANW

Date of issue: 19/04/2024

B118 AC RENTAL EUROPE.

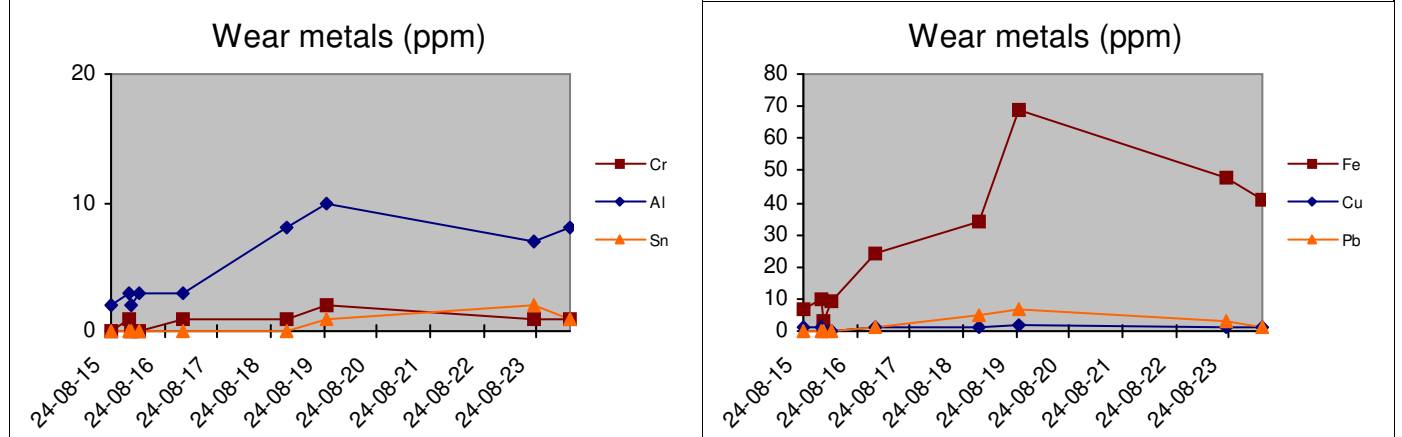
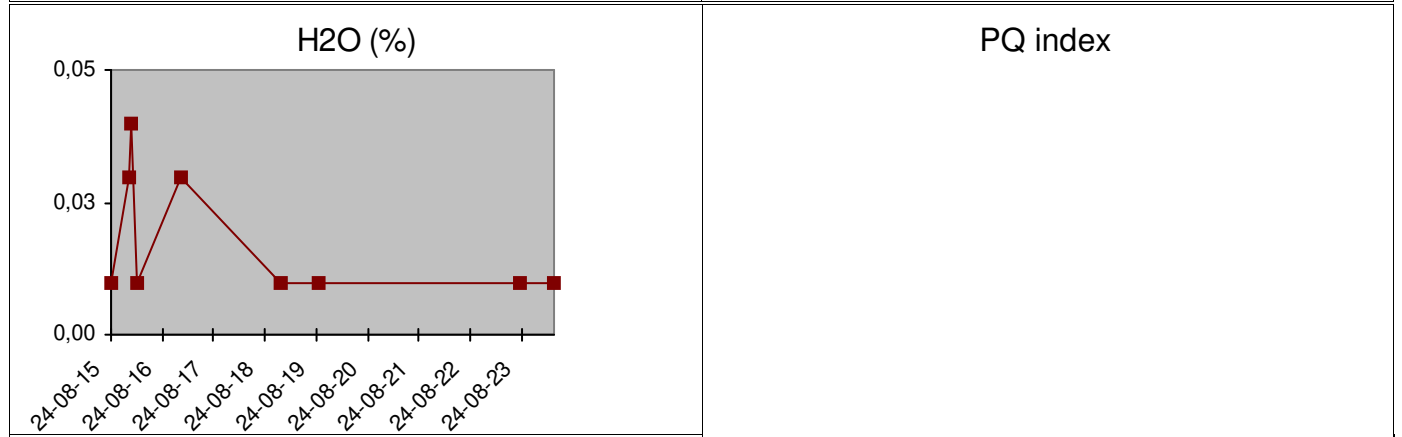
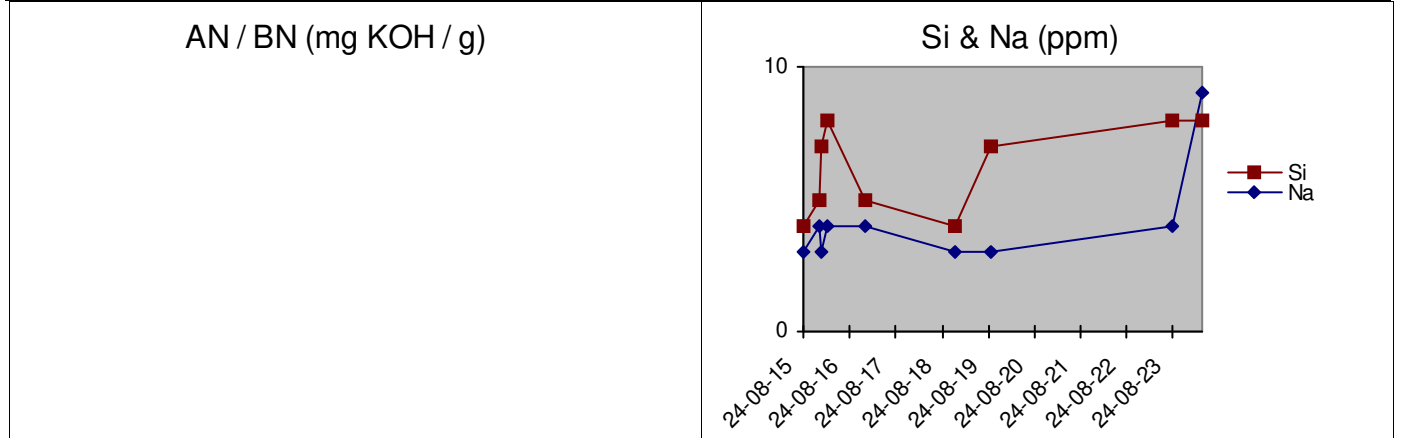
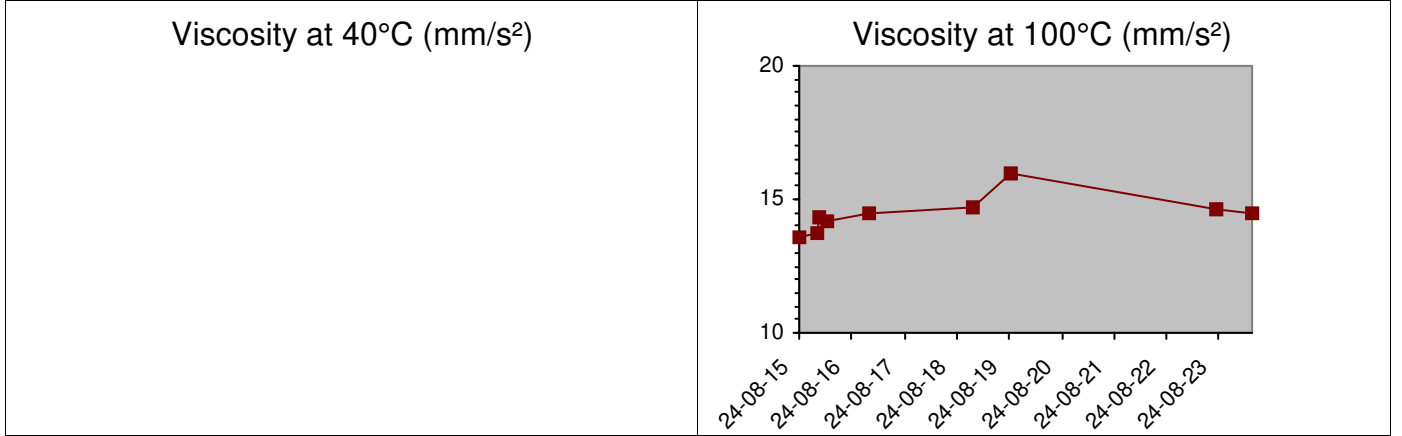


History lubricant:

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1	17.04.24 A004	ATLAS PAROIL E MISS.GREEN SAE 15W40
2	27.11.23 C013	ATLAS PAROIL E MISS.GREEN SAE 15W40
3	12.09.19 A003	ATLAS PAROIL E MISS.GREEN SAE 15W40
4	20.12.18 A006	ATLAS PAROIL E MISS.GREEN SAE 15W40
5	04.01.17 B026	ATLAS PAROIL E MISS.GREEN SAE 15W40
6	03.03.16 A008	ATLAS PAROIL E SAE 15W40

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