

System: DIESEL ENGINE  
Sump Capacity (k): 80 L  
Lubricant (k): ATLAS PAROIL E MISS.GREEN SAE 15W40  
Labocodenbr: 109830-KH.1  
Samplenummer: 22.03.24 A003  
Labelnummer: 00745280  
Date sample drawn (k): 31.01.2024  
Sampling: by client

Customer (k): ATLAS COPCO RENTAL EUROP  
Luc Despeghele  
Address (k): INDUSTRIEWEG 1F  
B- 2850 BOOM  
Your customer (k): 304304/13291  
Your ref. (k): S/304304/13291/PTS1600



Oil



Pollution



Wear



## Diagnostic

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

Normal

Results:	Method*	Unit	Current sample	22.03.24 A003				
Analysis date			22/03/2024	18/04/2023	31/01/2023	18/05/2021	5/11/2019	25/10/2018
Date of receipt			22/03/2024	18/04/2023	31/01/2023	18/05/2021	5/11/2019	25/10/2018
Sample date (k)			31/01/2024	11/04/2023	24/01/2023	12/05/2021	30/10/2019	16/10/2018
H/Km Oil (k)			500 H	7567 H	? H	500 H	500 H	5176 H
H/Km total (k)			500 H	7567 H	7174 H	6867 H	6455 H	? H
Top up (k)			80	80	85	80	80	?

## Oil Condition:

Viscosity at 40°C	ASTM D7279	cSt						
Viscosity at 100°C	ASTM D7279	cSt	14.8	14.3	14.4	14.7	14.8	14.7
Viscosity-index	ASTM D2270							
Fuel dilution	ASTM D7593	%	0.44	0.58	0.50	0.40	0.12	0.50
AN	ASTM D8045	mg KOH/g						
BN	ASTM D2896B	mg KOH/g						
Oxidation	ASTM E2412 (A)	Abs/0.1mm	14.5	16.1	16.3	16.6	18.1	18.8
Nitration	ASTM E2412	Abs/0.1mm	9.4	8.6	7.2	7.3	8.9	9.3
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	2620	2040	1760	1740	1820	1880
Mg: Magnesium	ASTM D5185 (A)	ppm	86	151	419	404	399	421
P: Phosphorus	ASTM D5185 (A)	ppm	1241	1000	1054	1051	1077	1142
S: Sulfur	ASTM D5185	%	0.46	0.30	0.28	0.32	0.33	0.33
Zn: Zink	ASTM D5185 (A)	ppm	1423	1162	1121	1252	1358	1341

## Pollution:

Si: Silicon	ASTM D5185 (A)	ppm	< 10	< 10	< 10	< 10	11	14
B: Boron	ASTM D5185	ppm	46	38	76	57	56	35
Na: Sodium	ASTM D5185 (A)	ppm	5	< 5	< 5	< 5	< 5	< 5
Water	WI-0002	%	0.06	< 0.04	< 0.04	< 0.04	< 0.04	< 0.04
Water (KF)	ASTM D6304C	ppm						
Soot content	ASTM E2412 (A)	%	0.23	0.17	0.22	0.20	0.31	0.41
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	< 5	< 5	< 5	< 5	6
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	23	13	22	15	38	41
Mo: Molybdenum	ASTM D5185 (A)	ppm	106	87	69	64	67	69
Pb: Lead	ASTM D5185 (A)	ppm	< 5	< 5	< 5	< 5	< 5	< 5
Sn: Tin	ASTM D5185	ppm	< 1	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.

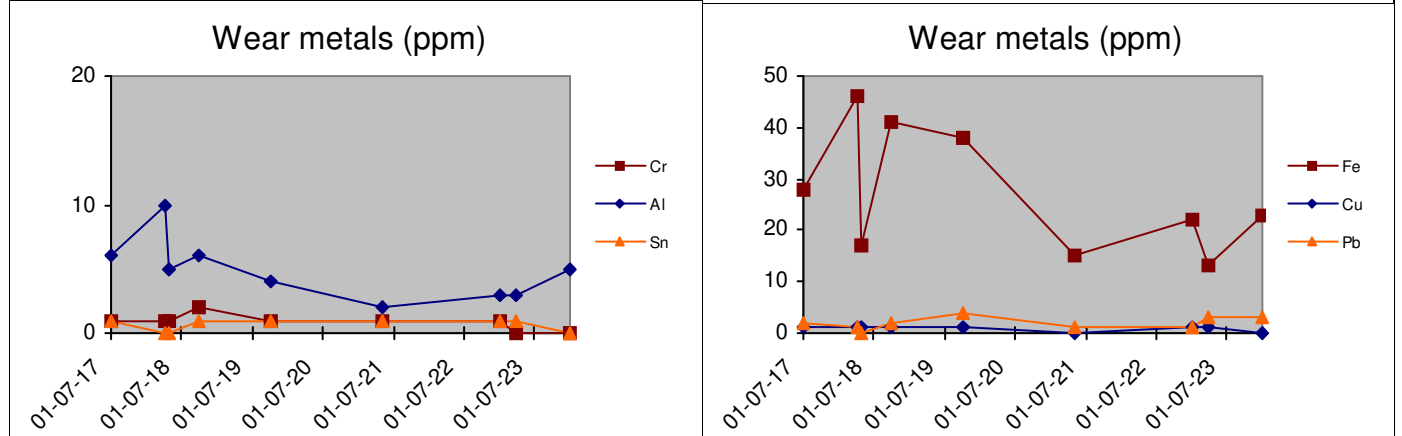
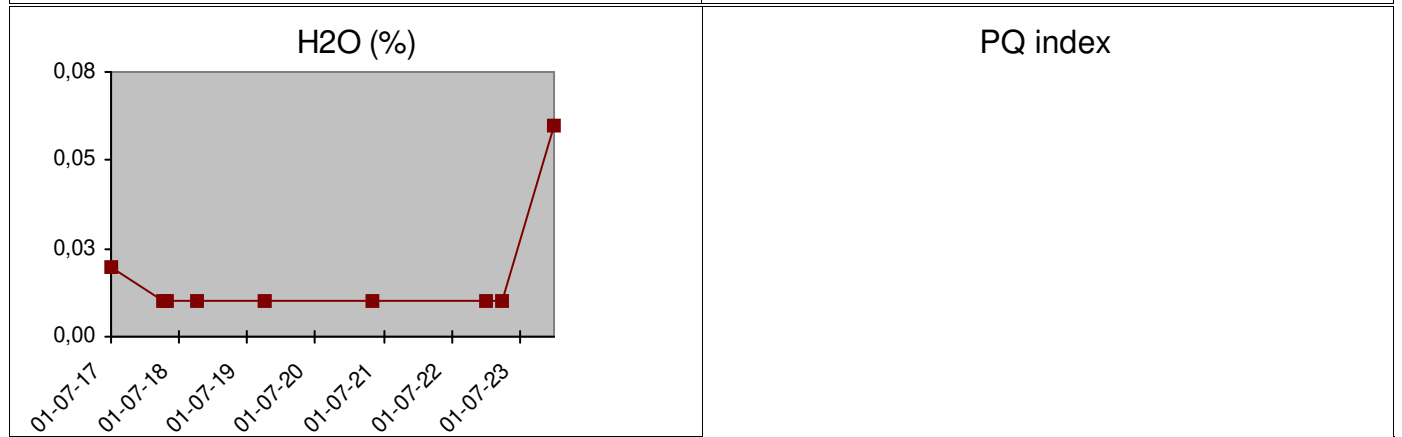
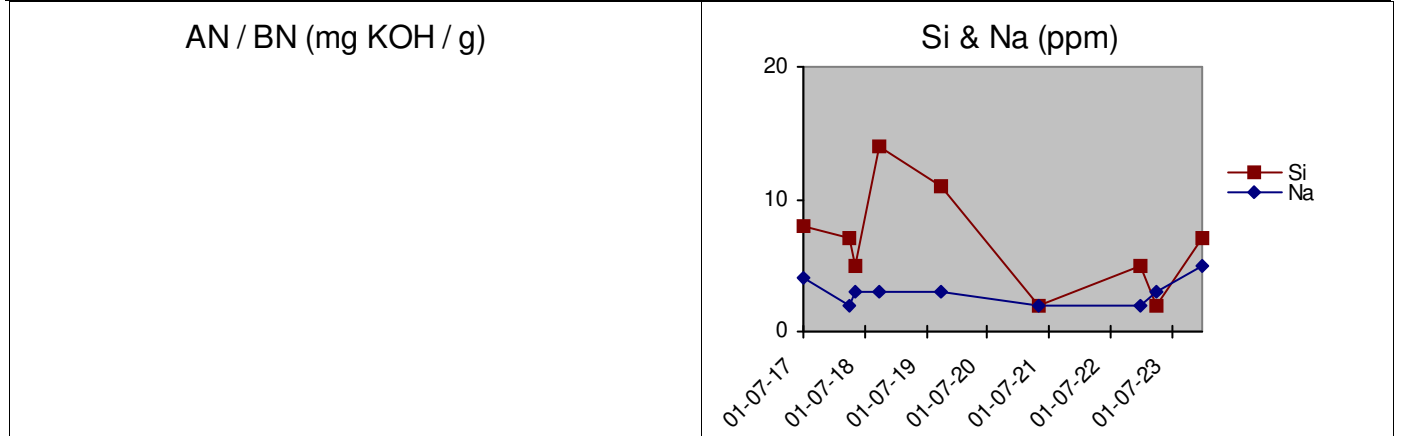
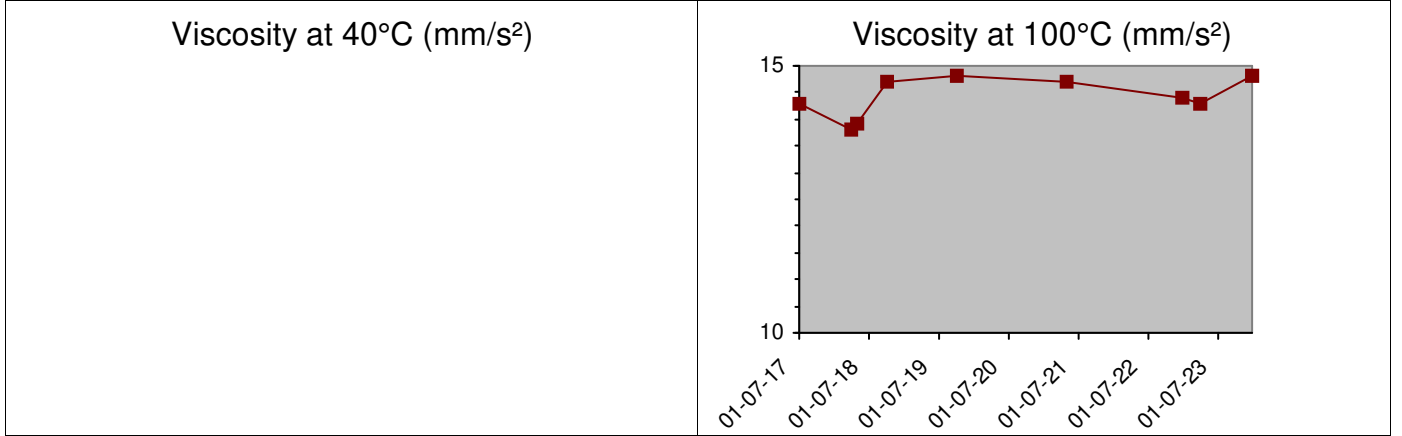
Batch: 2408602 - p.1 / 2

Diagnosis: ANW

Date of issue: 26/03/2024

B118 AC RENTAL EUROPE.

History 22.03.24 A003



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