

System: DIESEL ENGINE
 Sump Capacity (k): 80 L
 Lubricant (k): ATLAS PAROIL E MISS.GREEN SAE 15W40
 Labocodenbr: 109830-WQ.1
 Samplenummer: 10.04.24 A010
 Labelnummer: 429000800705
 Date sample drawn (k): 14.02.2024
 Sampling: by client

Customer (k): ATLAS COPCO RENTAL EUROP
 Luc Despeghel
 Address (k): INDUSTRIEWEG 1F
 B- 2850 BOOM
 Your customer (k): 391697/14182
 Your ref. (k): D+/391697/14182/PTS1600



Oil



Pollution



Wear

**Diagnostic**

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

Normal

Results:	Method*	Unit	Current sample	10.04.24 A010				
Analysis date			10/04/2024	24/05/2023	2/06/2020	9/03/2020	5/03/2019	7/03/2018
Date of receipt			10/04/2024	24/05/2023	2/06/2020	9/03/2020	5/03/2019	7/03/2018
Sample date (k)			14/02/2024	17/03/2023	20/05/2020	20/02/2020	5/02/2019	27/02/2018
H/Km Oil (k)			? H	? H	480 H	403 H	500 H	500 H
H/Km total (k)			6297 H	6132 H	5691 H	5219 H	4816 H	4425 H
Top up (k)			?	80	?	?	?	?

Oil Condition:

Viscosity at 40°C	ASTM D7279	cSt						
Viscosity at 100°C	ASTM D7279	cSt	14.4	13.9	15.4	15.0	14.3	14.5
Viscosity-index	ASTM D2270							
Fuel dilution	ASTM D7593	%	0.68	0.38	0.41	0.46	0.53	0.41
AN	ASTM D8045	mg KOH/g						
BN	ASTM D2896B	mg KOH/g						
Oxidation	ASTM E2412 (A)	Abs/0.1mm	12.8	13.4	22.1	20.3	22.0	19.9
Nitration	ASTM E2412	Abs/0.1mm	8.5	7.7	11.1	9.8	10.5	9.8
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	2290	2010	1630	1880	1950	1810
Mg: Magnesium	ASTM D5185 (A)	ppm	23	195	366	416	431	445
P: Phosphorus	ASTM D5185 (A)	ppm	999	1042	937	1081	1149	1077
S: Sulfur	ASTM D5185	%	0.33	0.32	0.27	0.34	0.36	0.32
Zn: Zink	ASTM D5185 (A)	ppm	1111	1182	1169	1338	1397	1251

Pollution:

Si: Silicon	ASTM D5185 (A)	ppm	< 10	10	< 10	10	16	19
B: Boron	ASTM D5185	ppm	87	102	26	51	45	34
Na: Sodium	ASTM D5185 (A)	ppm	< 5	5	< 5	< 5	< 5	6
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)	%	0.17	0.18	0.32	0.28	0.25	0.32
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	13	17	< 5	6	5	7
Cr: Chromium	ASTM D5185 (A)	ppm	< 5	5	< 5	< 5	< 5	< 5
Cu: Copper	ASTM D5185 (A)	ppm	< 5	< 5	14	5	< 5	< 5
Fe: Iron	ASTM D5185 (A)	ppm	32	43	28	56	36	45
Mo: Molybdenum	ASTM D5185 (A)	ppm	92	88	59	67	69	69
Pb: Lead	ASTM D5185 (A)	ppm	< 5	< 5	57	16	< 5	< 5
Sn: Tin	ASTM D5185	ppm	< 1	1	2	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.

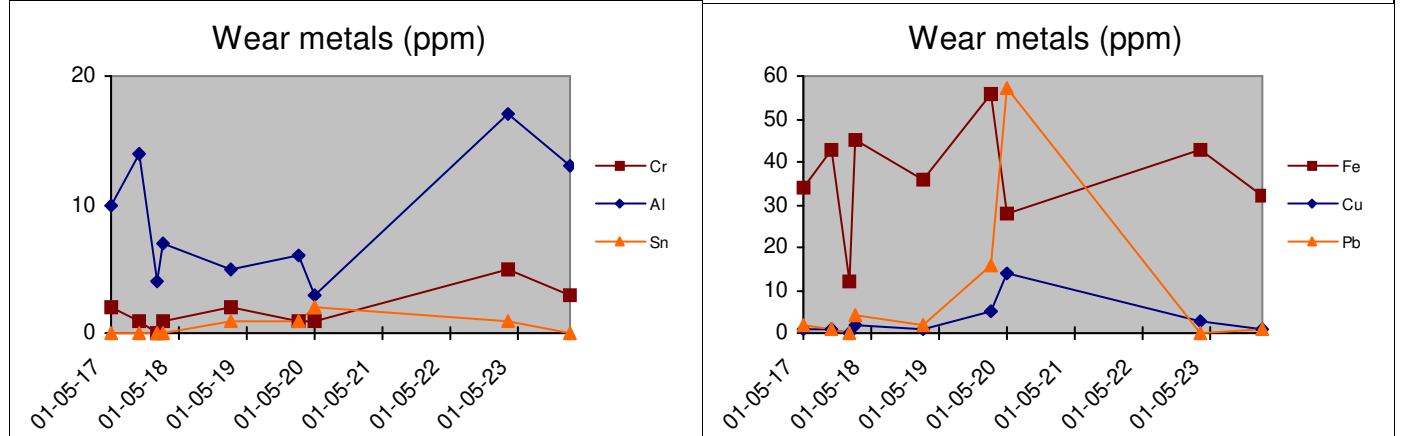
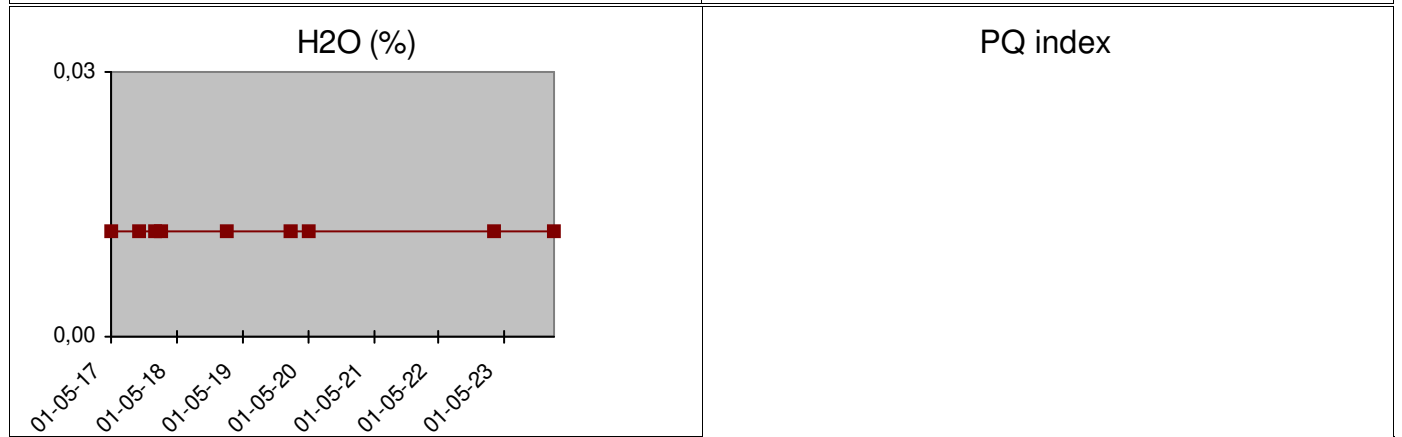
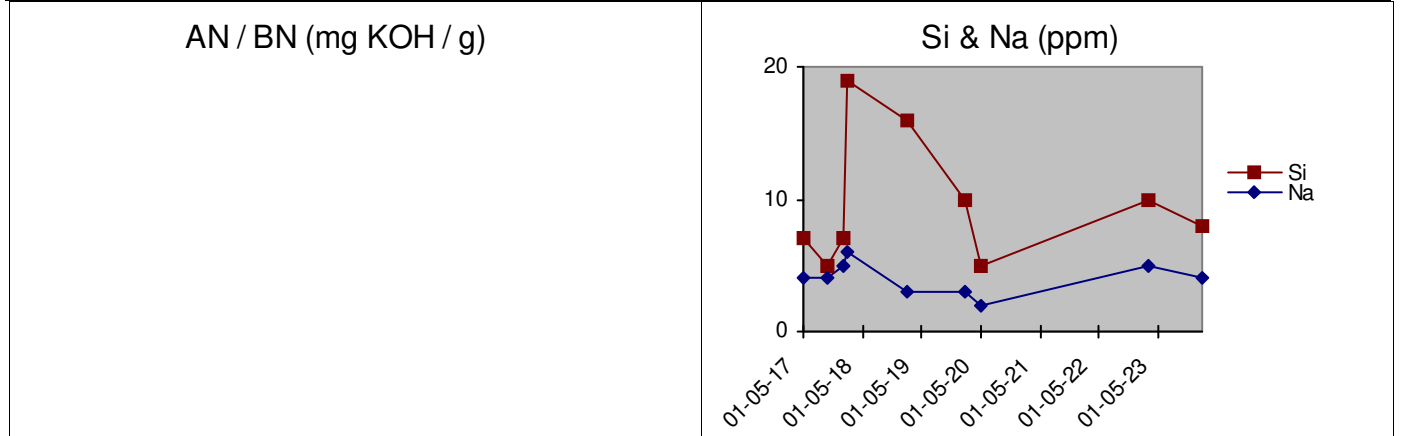
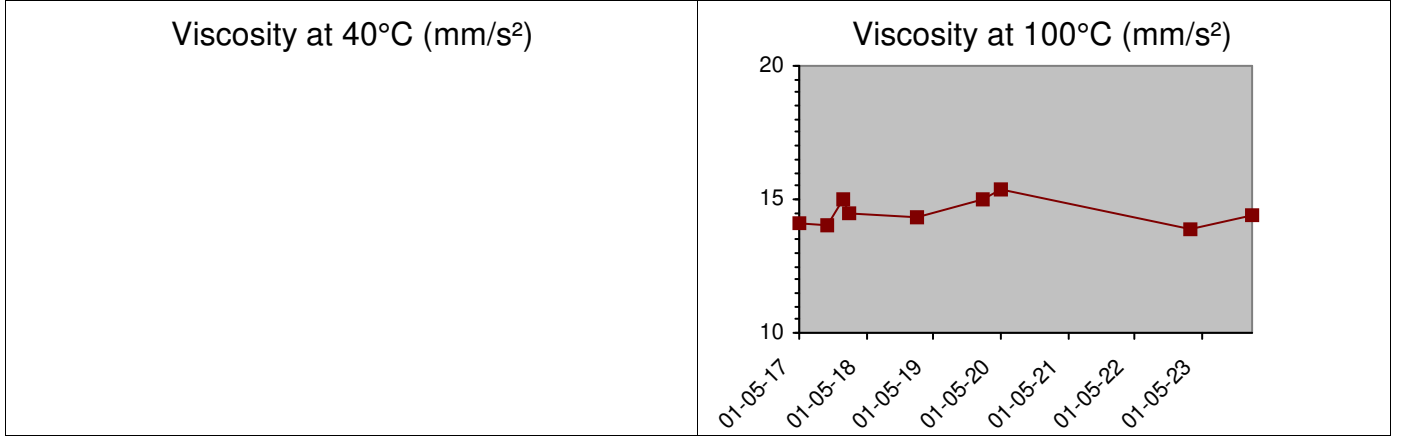
Batch: 2410303 - p.1 / 2

Diagnosis: ANW

Date of issue: 12/04/2024

B118 AC RENTAL EUROPE.

History 10.04.24 A010



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