

System: DIESEL ENGINE
Sump Capacity (k): 80 L
Lubricant (k): ATLAS PAROIL E MISS.GREEN SAE 15W40
Labocodenbr: 109830-PC.1
Samplenummer: 17.05.24 A004
Labelnummer: 00741149
Date sample drawn (k): 22.04.2024
Sampling: by client

Customer (k): ATLAS COPCO RENTAL EUROP
Luc Despeghele
Address (k): INDUSTRIEWEG 1F
B- 2850 BOOM
Your customer (k): 291324/13203
Your ref. (k): D.291324/13203.PTS1600



Oil



Pollution



Wear



Diagnostic

Attention: high contents of iron and aluminum. The other characteristics are considered as normal.

Action

Results:	Method*	Unit	Current sample						17.05.24 A004
Analysis date			17/05/2024	7/08/2023	9/11/2021	16/10/2020	16/10/2019	20/08/2019	
Date of receipt			17/05/2024	7/08/2023	9/11/2021	16/10/2020	16/10/2019	20/08/2019	
Sample date (k)			22/04/2024	30/05/2023	18/05/2021	19/06/2020	7/10/2019	30/07/2019	
H/Km Oil (k)			6720 Km	? H	500 H	485 H	250 H	4954 H	
H/Km total (k)			6720 Km	6611 H	6383 H	6015 H	5527 H	5477 H	
Top up (k)			?	80	85	?	?	80	

Oil Condition:

Viscosity at 40°C	ASTM D7279	cSt						
Viscosity at 100°C	ASTM D7279	cSt	14.5	15.0	14.5	14.7	14.1	14.3
Viscosity-index	ASTM D2270							
Fuel dilution	ASTM D7593	%	1.04	0.87	0.76	0.57	0.44	0.45
AN	ASTM D8045	mg KOH/g						
BN	ASTM D2896B	mg KOH/g						
Oxidation	ASTM E2412 (A)	Abs/0.1mm	19.2	22.0	18.7	19.5	13.6	13.7
Nitration	ASTM E2412	Abs/0.1mm	12.5	14.1	9.9	10.1	6.1	5.8
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	2780	2340	1760	2330	2010	1880
Mg: Magnesium	ASTM D5185 (A)	ppm	20	55	433	549	393	387
P: Phosphorus	ASTM D5185 (A)	ppm	1337	1080	1084	1412	1202	1065
S: Sulfur	ASTM D5185	%	0.45	0.34	0.32	0.40	0.34	0.36
Zn: Zink	ASTM D5185 (A)	ppm	1552	1397	1243	1662	1284	1322

Pollution:

Si: Silicon	ASTM D5185 (A)	ppm	13	14	< 10	< 10	< 10	< 10
B: Boron	ASTM D5185	ppm	65	44	45	44	157	160
Na: Sodium	ASTM D5185 (A)	ppm	< 5	5	< 5	7	< 5	< 5
Water	WI-0002	%	< 0.04	0.06	0.05	0.04	< 0.04	< 0.04
Water (KF)	ASTM D6304C	ppm						
Soot content	ASTM E2412 (A)	%	0.24	0.53	0.18	0.17	0.10	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	48	44	20	5	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	157	155	98	68	26	17
Mo: Molybdenum	ASTM D5185 (A)	ppm	115	103	64	87	64	65
Pb: Lead	ASTM D5185 (A)	ppm	9	23	5	11	< 5	< 5
Sn: Tin	ASTM D5185	ppm	3	2	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.

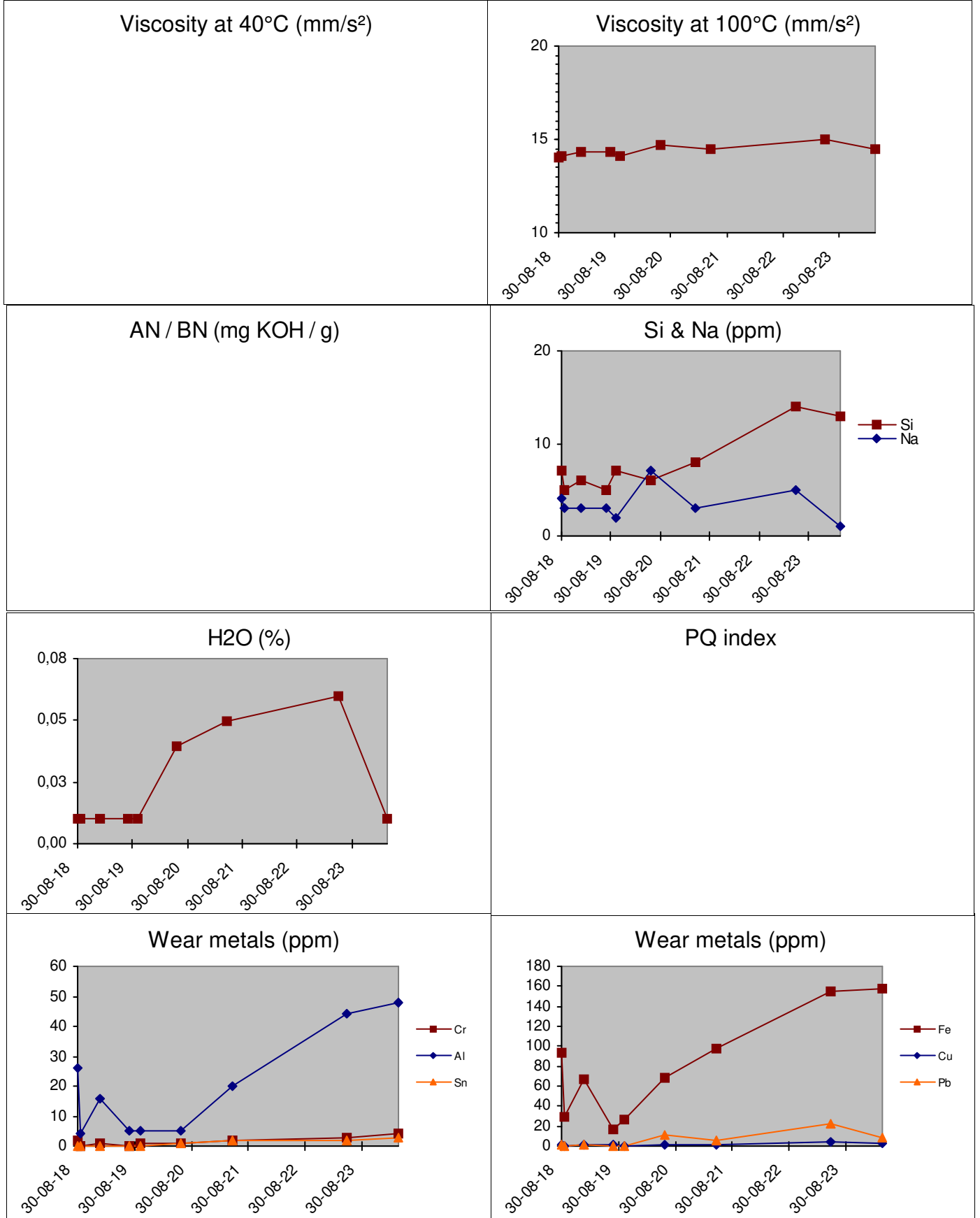
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Diagnosis: ANW

Date of issue: 21/05/2024

B118 AC RENTAL EUROPE.

History 17.05.24 A004



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