

System: DIESEL ENGINE
 Sump Capacity (k): 33 L
 Lubricant (k): ATLAS PAROIL E SAE 15W40
 Labocodenbr: 109897-GG.1
 Samplenummer: 17.06.24 A003
 Labelnummer: 00731990
 Date sample drawn (k): 31.05.2024
 Sampling: by client

Customer (k): ATLAS COPCO RENTAL EUROPE
 Luc Despeghel
 Address (k): INDUSTRIEWEG 1F
 B- 2850 BOOM
 Your customer (k): 504442/16031
 Your ref. (k): B/504442/16031/QAS400

Diagnostic


Oil



Pollution



Wear



The viscosity is considered being borderline low. The oil is contaminated with dieselfuel. We notice an increased calcium, boron and molybdenum content and a reduced magnesium content.

Attention

Results:	Method*	Unit	Current sample	17.06.24 A003				
Analysis date			17/06/2024	13/04/2021	26/03/2021	26/03/2021	5/02/2021	19/01/2021
Date of receipt			17/06/2024	13/04/2021	26/03/2021	26/03/2021	5/02/2021	19/01/2021
Sample date (k)			31/05/2024	1/04/2021	12/03/2021	18/02/2021	29/01/2021	8/01/2021
H/Km Oil (k)			250 H	476 H	500 H	500 H	500 H	503 H
H/Km total (k)			250 H	7959 H	7483 H	6956 H	6494 H	5993 H
Top up (k)			?	36	36	34	36	30

Oil Condition:

Viscosity at 40°C	ASTM D7279	cSt						
Viscosity at 100°C	ASTM D7279	cSt	12.4	12.8	12.8	12.7	12.9	12.6
Viscosity-index	ASTM D2270							
Fuel dilution	ASTM D7593	%	3.28	1.97	2.04	2.04	0.93	2.33
AN	ASTM D8045	mg KOH/g						
BN	ASTM D2896B	mg KOH/g						
Oxidation	ASTM E2412 (A)	Abs/0.1mm	18.0	16.0	16.1	15.7	15.8	15.7
Nitration	ASTM E2412	Abs/0.1mm	8.6	6.7	7.8	7.0	7.0	7.2
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	2897	1730	1700	1690	1630	1660
Mg: Magnesium	ASTM D5185 (A)	ppm	22	387	386	387	370	372
P: Phosphorus	ASTM D5185 (A)	ppm	1223	1039	1025	1036	1123	999
S: Sulfur	ASTM D5185	%	0.42	0.38	0.39	0.39	0.37	0.37
Zn: Zink	ASTM D5185 (A)	ppm	1420	1248	1221	1227	1157	1195

Pollution:

Si: Silicon	ASTM D5185 (A)	ppm	< 10	< 10	< 10	< 10	< 10	< 10
B: Boron	ASTM D5185	ppm	278	51	45	72	49	53
Na: Sodium	ASTM D5185 (A)	ppm	< 5	< 5	< 5	< 5	< 5	< 5
Water	WI-0002	%	0.07	< 0.04	0.26	< 0.04	< 0.04	0.04
Water (KF)	ASTM D6304C	ppm						
Soot content	ASTM E2412 (A)	%	0.08	0.22	0.24	0.19	0.22	0.19
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	< 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	25	19	24	20	21	14
Mo: Molybdenum	ASTM D5185 (A)	ppm	105	61	61	61	59	59
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.

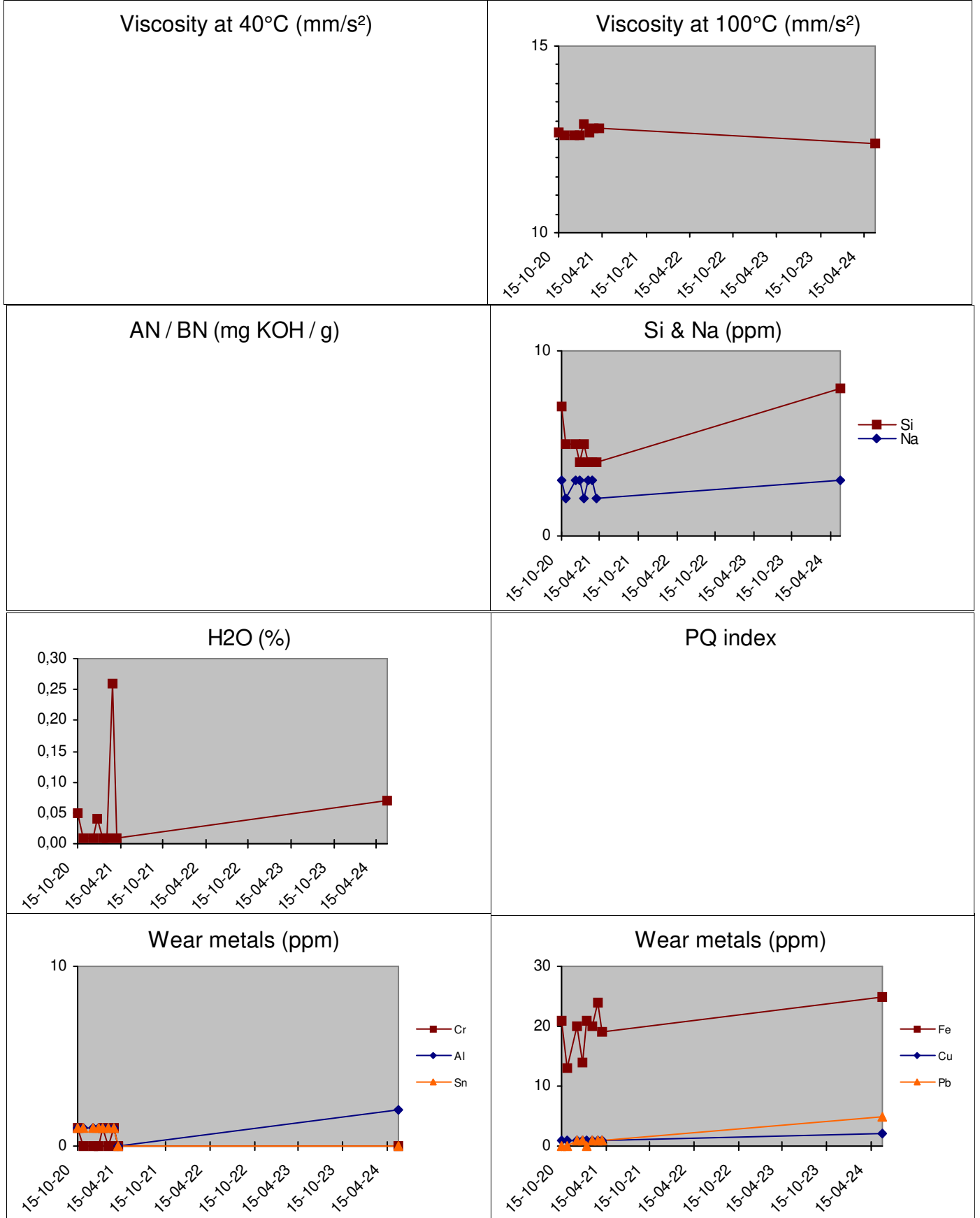
Batch: 2417004 - p.1 / 2

Diagnosis: ANW

Date of issue: 18/06/2024

B118 AC RENTAL EUROPE.

History 17.06.24 A003



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