

System: DIESEL ENGINE
Sump Capacity (k): 85 L
Lubricant (k): ATLAS PAROIL E MISS.GREEN SAE 15W40
Labocodenbr: 109830-NF.1
Samplenummer: 10.04.24 A020
Labelnummer: 00740913
Date sample drawn (k): 16.02.2024
Sampling: by client

Customer (k): ATLAS COPCO RENTAL EUROP
Luc Despeghele
Address (k): INDUSTRIEWEG 1F
B- 2850 BOOM
Your customer (k): 347353/13624
Your ref. (k): D+/347353/13624/PTS1600



Oil



Pollution



Wear



Diagnostic

We notice an increased calcium content and a decreased magnesium content. Aluminium content above the normal value.

Attention

Results:	Method*	Unit	Current sample						10.04.24 A020
Analysis date			10/04/2024	23/02/2023	2/08/2021	19/07/2021	2/06/2021	4/03/2021	
Date of receipt			10/04/2024	23/02/2023	2/08/2021	19/07/2021	2/06/2021	4/03/2021	
Sample date (k)			16/02/2024	26/01/2023	26/07/2021	2/07/2021	21/05/2021	29/01/2021	
H/Km Oil (k)			? H	? H	381 H	500 H	500 H	500 H	
H/Km total (k)			6515 H	6250 H	5966 H	5585 H	5176 H	4700 H	
Top up (k)			?	80	?	?	?	?	

Oil Condition:

Viscosity at 40°C	ASTM D7279	cSt						
Viscosity at 100°C	ASTM D7279	cSt	14.7	14.3	15.2	14.7	14.9	14.8
Viscosity-index	ASTM D2270							
Fuel dilution	ASTM D7593	%	0.60	0.62	0.45	0.44	0.51	0.51
AN	ASTM D8045	mg KOH/g						
BN	ASTM D2896B	mg KOH/g						
Oxidation	ASTM E2412 (A)	Abs/0.1mm	15.2	14.8	23.9	23.3	22.4	15.9
Nitration	ASTM E2412	Abs/0.1mm	10.9	6.7	11.9	11.9	11.2	6.5
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	2400	1750	2090	1960	2090	2090
Mg: Magnesium	ASTM D5185 (A)	ppm	47	357	508	494	486	478
P: Phosphorus	ASTM D5185 (A)	ppm	1055	1048	1206	1154	1222	1280
S: Sulfur	ASTM D5185	%	0.33	0.29	0.32	0.31	0.34	0.41
Zn: Zink	ASTM D5185 (A)	ppm	1189	1135	1421	1380	1567	1538

Pollution:

Si: Silicon	ASTM D5185 (A)	ppm	10	13	< 10	< 10	< 10	< 10
B: Boron	ASTM D5185	ppm	50	108	33	29	38	91
Na: Sodium	ASTM D5185 (A)	ppm	5	7	< 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)	%	0.52	0.26	0.31	0.29	0.26	0.09
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	16	11	< 5	6	< 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	39	26	18	28	34	48
Mo: Molybdenum	ASTM D5185 (A)	ppm	97	69	74	71	76	76
Pb: Lead	ASTM D5185 (A)	ppm	5	< 5	9	11	23	< 5
Sn: Tin	ASTM D5185	ppm	< 1	4	2	2	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 / 3

Diagnosis: ANW

Date of issue: 12/04/2024

B118 AC RENTAL EUROPE.

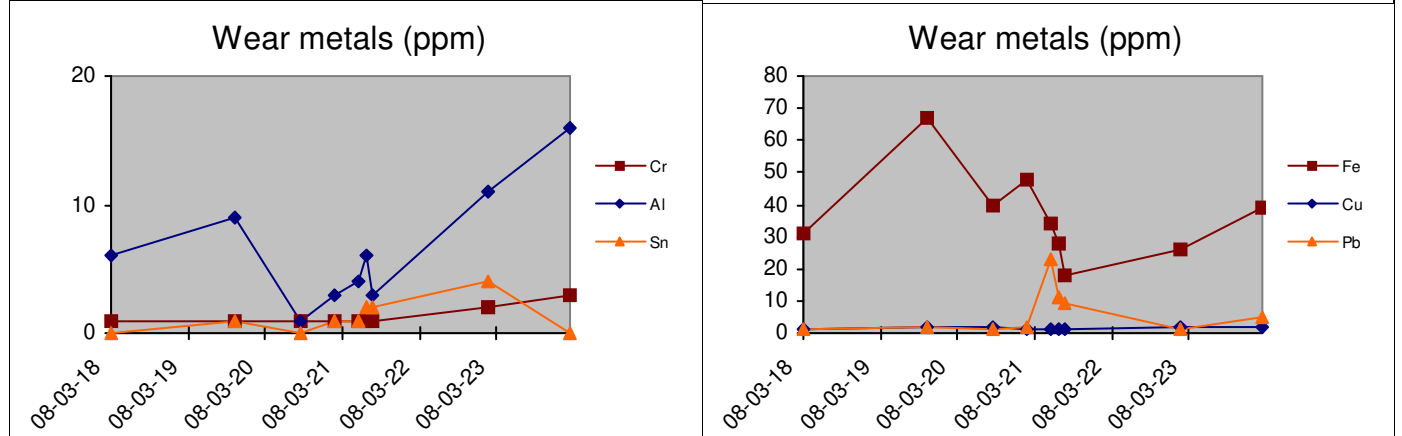
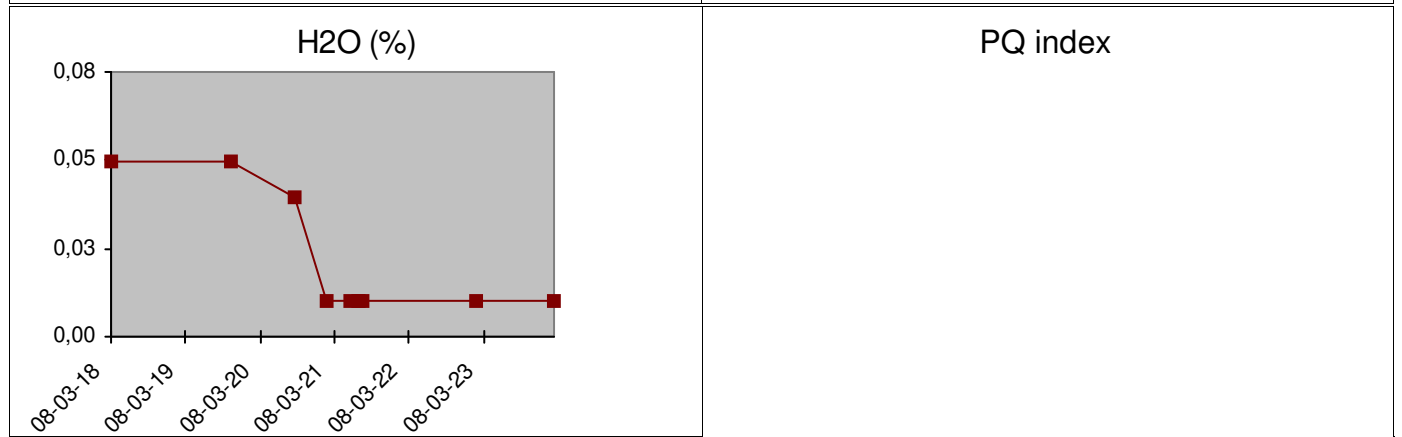
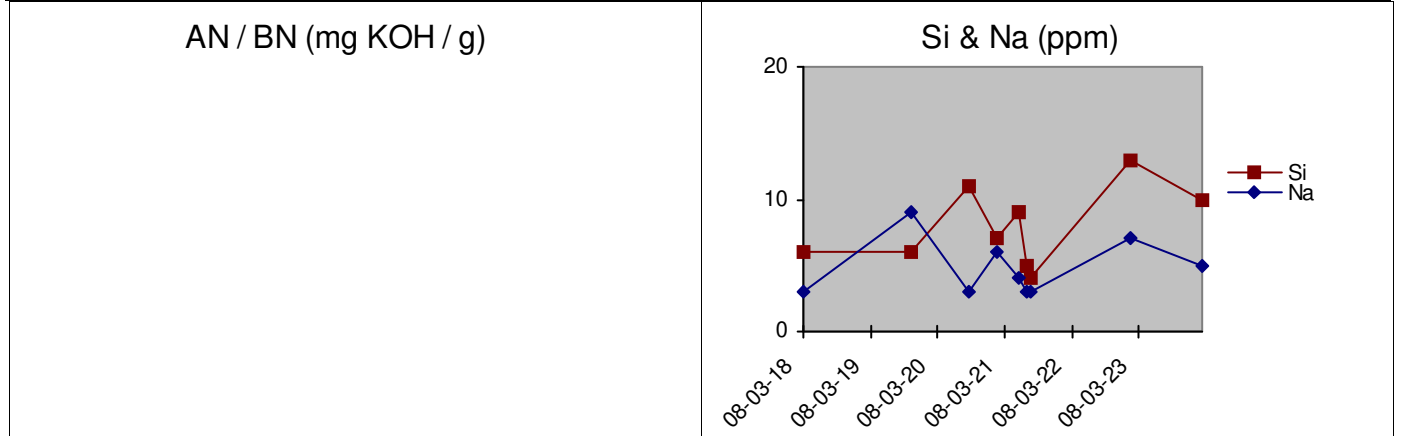
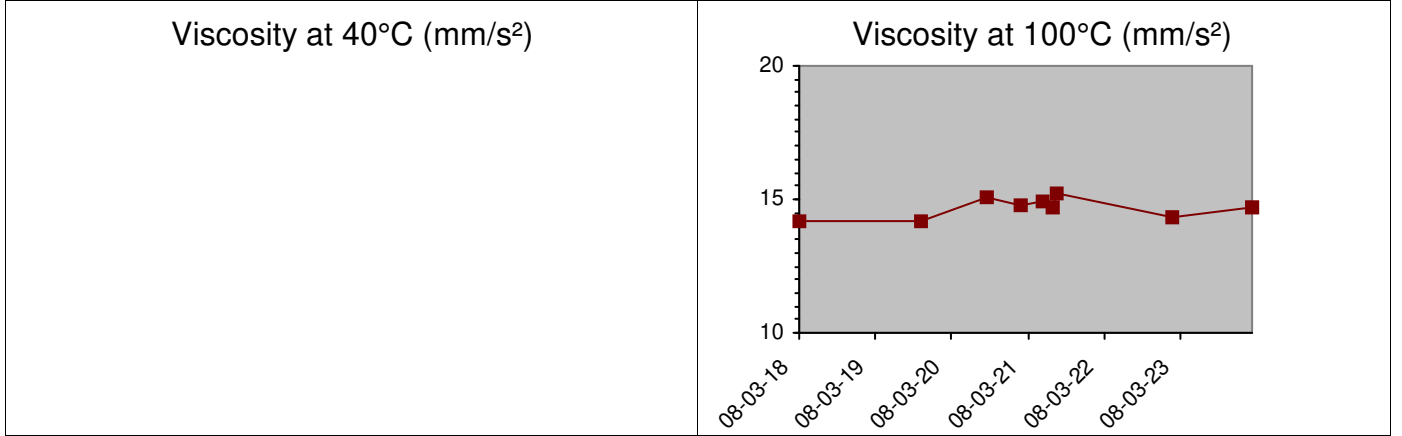


History lubricant:

10.04.24 A020

1	10.04.24 A020	ATLAS PAROIL E MISS.GREEN SAE 15W40
2	23.02.23 A004	ATLAS PAROIL E MISS.GREEN SAE 15W40
3	02.08.21 A010	ATLAS PAROIL E MISS.GREEN SAE 15W40
4	19.07.21 A009	ATLAS COPCO SAE 10W40
5	02.06.21 A006	ATLAS PAROIL E MISS.GREEN SAE 15W40
6	04.03.21 A003	ATLAS PAROIL E MISS.GREEN SAE 15W40

History 10.04.24 A020



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