

System: DIESEL ENGINE
Sump Capacity (k): 80 L
Lubricant (k): ATLAS PAROIL E MISS.GREEN SAE 15W40
Labocodenbr: 109830-yf.1
Samplenumbr: 22.03.24 A004
Labelnummer: 00745107
Date sample drawn (k): 18.12.2023
Sampling: by client

Customer (k): ATLAS COPCO RENTAL EUROP
Luc Despeghele
Address (k): INDUSTRIEWEG 1F
B- 2850 BOOM
Your customer (k): 446567/14830
Your ref. (k): S/446567/14830/PTS1600



Oil



Pollution



Wear



Diagnostic

We notice an increased calcium content and a decreased magnesium content. Wear elements within tolerance.

Attention

Results:	Method*	Unit	Current sample						22.03.24 A004
Analysis date			22/03/2024	22/03/2024	3/01/2023	4/09/2020	18/09/2019	1/06/2018	
Date of receipt			22/03/2024	22/03/2024	3/01/2023	4/09/2020	18/09/2019	1/06/2018	
Sample date (k)			18/12/2023	27/11/2023	22/12/2022	30/07/2020	6/09/2019	27/04/2018	
H/Km Oil (k)			500 H	500 H	1980 H	473 H	500 H	411 H	
H/Km total (k)			3832 H	? H	1980 H	1285 H	912 H	411 H	
Top up (k)			80	?	80	?	80	0	

Oil Condition:

Viscosity at 40°C	ASTM D7279	cSt						
Viscosity at 100°C	ASTM D7279	cSt	14.3	14.2	14.0	13.5	13.3	13.9
Viscosity-index	ASTM D2270							
Fuel dilution	ASTM D7593	%	0.47	0.42	0.63	0.22	0.39	0.42
AN	ASTM D8045	mg KOH/g						
BN	ASTM D2896B	mg KOH/g						
Oxidation	ASTM E2412 (A)	Abs/0.1mm	15.8	18.0	17.2	17.8	17.0	13.9
Nitration	ASTM E2412	Abs/0.1mm	10.0	10.6	9.3	9.0	8.5	4.8
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	2300	2880	1820	1950	2270	1800
Mg: Magnesium	ASTM D5185 (A)	ppm	42	39	376	435	498	401
P: Phosphorus	ASTM D5185 (A)	ppm	1115	1333	1063	1085	1415	1200
S: Sulfur	ASTM D5185	%	0.41	0.49	0.29	0.32	0.38	0.33
Zn: Zink	ASTM D5185 (A)	ppm	1252	1519	1249	1355	1528	1365

Pollution:

Si: Silicon	ASTM D5185 (A)	ppm	< 10	< 10	< 10	< 10	13	10
B: Boron	ASTM D5185	ppm	38	37	67	53	93	165
Na: Sodium	ASTM D5185 (A)	ppm	< 5	9	< 5	< 5	8	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)	%	0.08	0.10	0.10	0.09	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	< 5	5	8	< 5	9	< 5
Cr: Chromium	ASTM D5185 (A)	ppm	< 5	< 5	< 5	< 5	< 5	< 5
Cu: Copper	ASTM D5185 (A)	ppm	< 5	< 5	< 5	< 5	6	< 5
Fe: Iron	ASTM D5185 (A)	ppm	6	12	37	18	50	10
Mo: Molybdenum	ASTM D5185 (A)	ppm	91	116	73	69	79	64
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 / 3

Diagnosis: ANW

Date of issue: 26/03/2024

B118 AC RENTAL EUROPE.

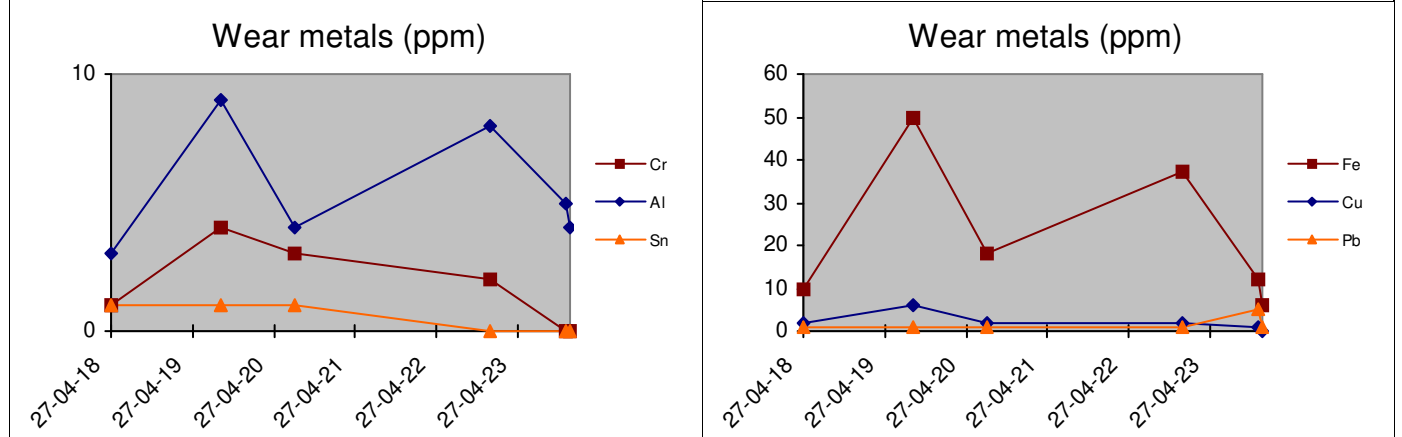
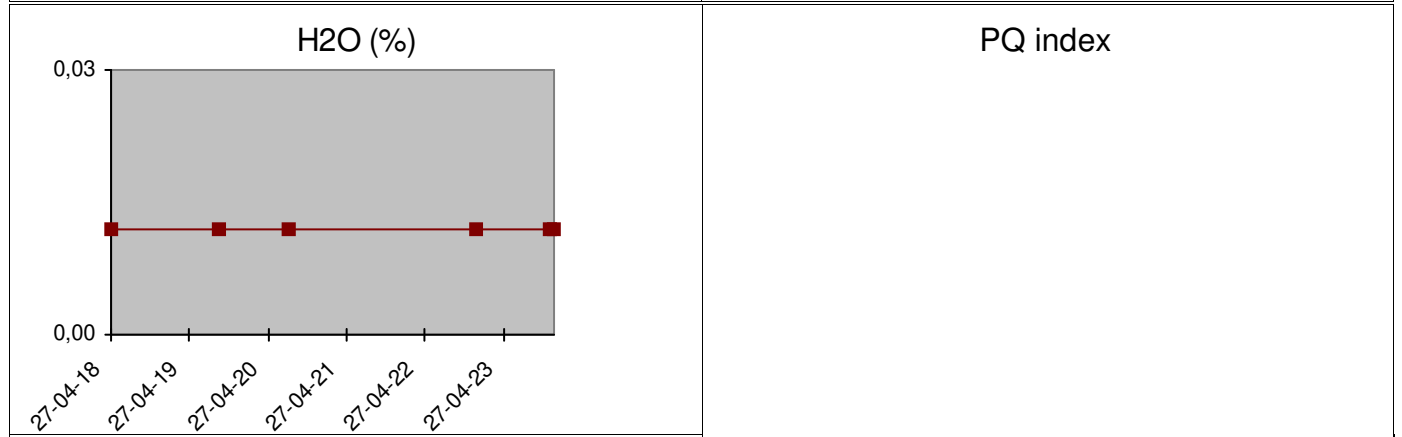
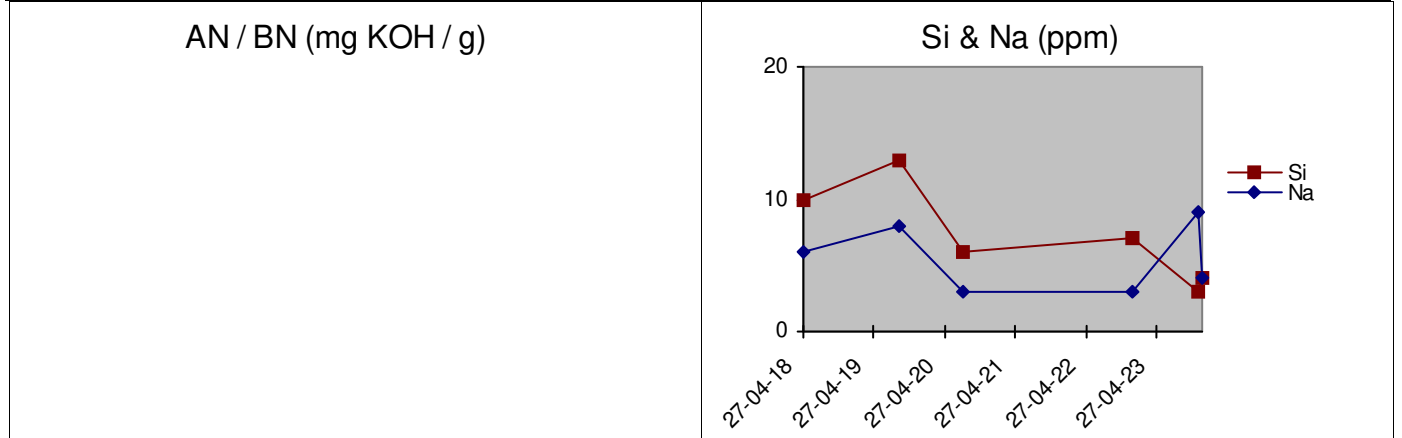
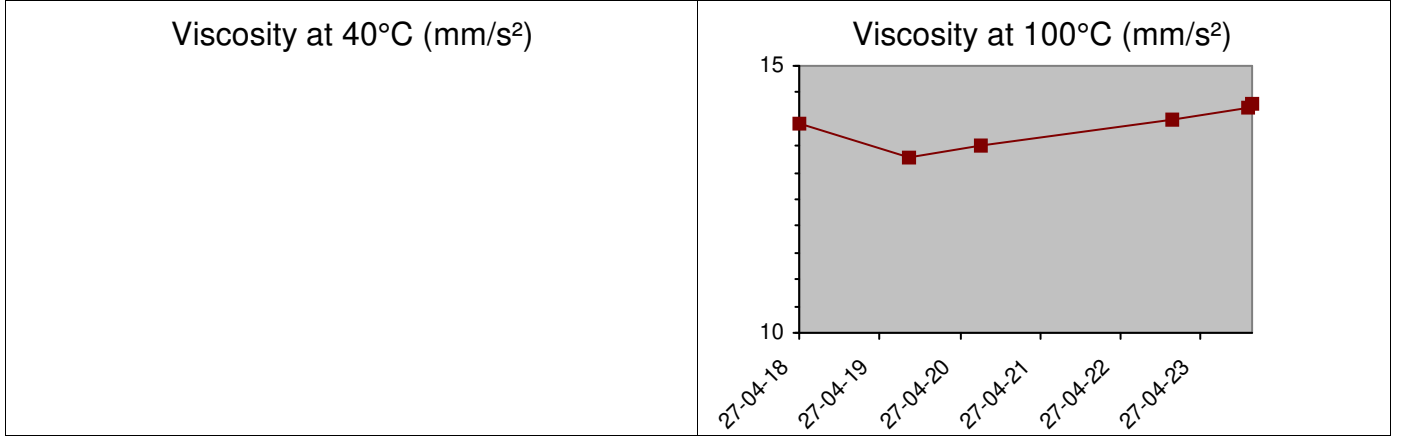


History lubricant:

22.03.24 A004

1	22.03.24 A004	ATLAS PAROIL E MISS.GREEN SAE 15W40
2	22.03.24 A005	ATLAS PAROIL E MISS.GREEN SAE 15W40
3	03.01.23 A005	ATLAS PAROIL E MISS.GREEN SAE 15W40
4	04.09.20 A009	ATLAS PAROIL E SAE 15W40
5	18.09.19 A006	ATLAS PAROIL E SAE 15W40
6	01.06.18 A003	ATLAS PAROIL E SAE 15W40

History 22.03.24 A004



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