

System: DIESEL ENGINE
Sump Capacity (k): 80 L
Lubricant (k): ATLAS PAROIL E SAE 15W40
Labocodenbr: 109830-NR.1
Samplenummer: 17.05.24 A003
Labelnummer: 00740783
Date sample drawn (k): 25.04.2024
Sampling: by client

Customer (k): ATLAS COPCO RENTAL EUROP
Luc Despeghel
Address (k): INDUSTRIEWEG 1F
B- 2850 BOOM
Your customer (k): 347357/13630
Your ref. (k): D.347357/13630.PTS1600



Oil



Pollution



Wear



Diagnostic

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

Normal

Results:	Method*	Unit	Current sample	17.05.24 A003				
Analysis date			17/05/2024	26/05/2023	30/03/2021	28/05/2020	2/03/2020	22/05/2018
Date of receipt			17/05/2024	26/05/2023	30/03/2021	28/05/2020	2/03/2020	22/05/2018
Sample date (k)			25/04/2024	12/05/2023	18/01/2021	7/05/2020	?	?
H/Km Oil (k)			6336 Km	880 H	500 H	400 H	322 H	600 H
H/Km total (k)			6336 Km	6518 H	6416 H	5640 H	5237 H	4915 H
Top up (k)			?	?	85	?	?	80

Oil Condition:

Viscosity at 40°C	ASTM D7279	cSt						
Viscosity at 100°C	ASTM D7279	cSt	14.3	14.2	14.7	14.6	13.7	13.8
Viscosity-index	ASTM D2270							
Fuel dilution	ASTM D7593	%	1.11	0.43	0.46	0.54	0.83	0.39
AN	ASTM D8045	mg KOH/g						
BN	ASTM D2896B	mg KOH/g						
Oxidation	ASTM E2412 (A)	Abs/0.1mm	13.4	15.7	17.7	16.6	18.6	17.7
Nitration	ASTM E2412	Abs/0.1mm	7.6	8.3	8.5	7.2	8.5	7.7
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	2110	1930	1900	1810	2261	1870
Mg: Magnesium	ASTM D5185 (A)	ppm	53	290	425	415	502	417
P: Phosphorus	ASTM D5185 (A)	ppm	1068	1052	1146	1063	1317	1136
S: Sulfur	ASTM D5185	%	0.36	0.33	0.34	0.31	0.42	0.37
Zn: Zink	ASTM D5185 (A)	ppm	1201	1203	1371	1302	1666	1411

Pollution:

Si: Silicon	ASTM D5185 (A)	ppm	< 10	< 10	< 10	< 10	< 10	< 10
B: Boron	ASTM D5185	ppm	101	60	64	70	68	50
Na: Sodium	ASTM D5185 (A)	ppm	8	< 5	< 5	< 5	< 5	< 5
Water	WI-0002	%	0.06	< 0.04	< 0.04	< 0.04	0.05	< 0.04
Water (KF)	ASTM D6304C	ppm						
Soot content	ASTM E2412 (A)	%	0.04	0.19	0.14	0.10	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	9	6	< 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	52	73	64	35	17	18
Mo: Molybdenum	ASTM D5185 (A)	ppm	86	79	69	65	82	68
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: 2414207 - p.1 / 3

Diagnosis: ANW

Date of issue: 21/05/2024

B118 AC RENTAL EUROPE.

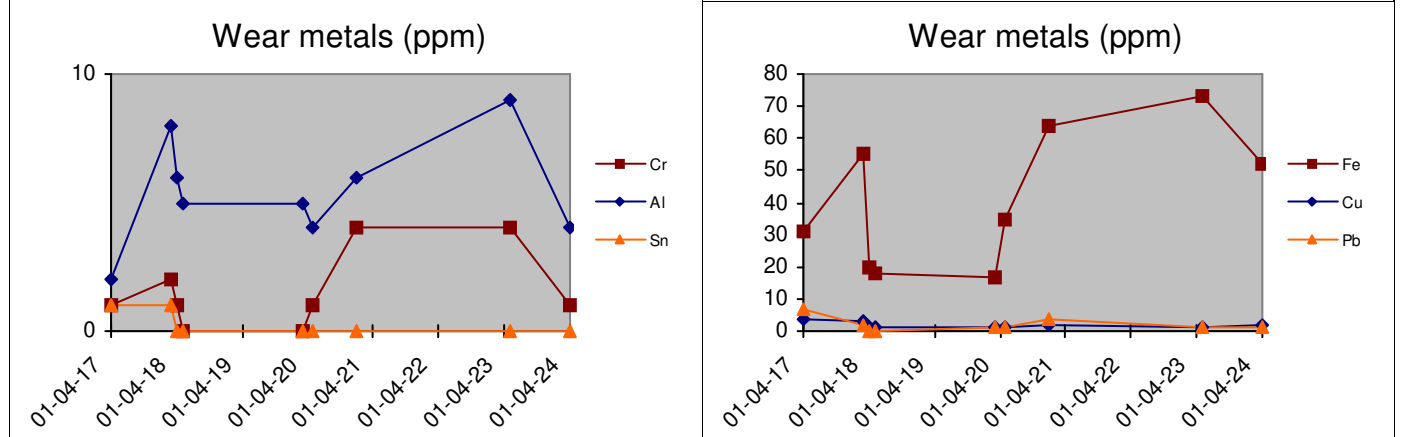
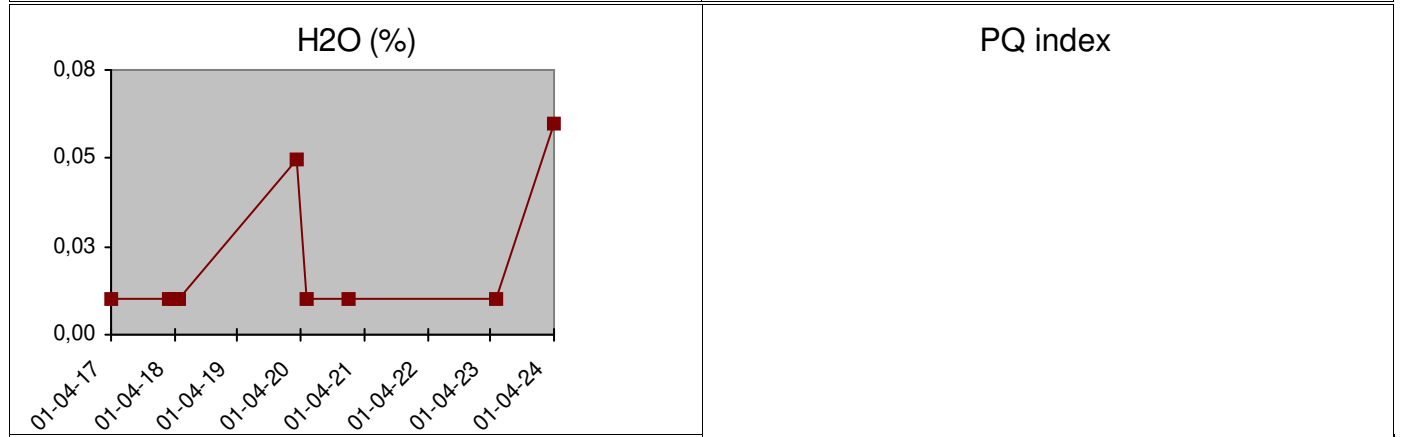
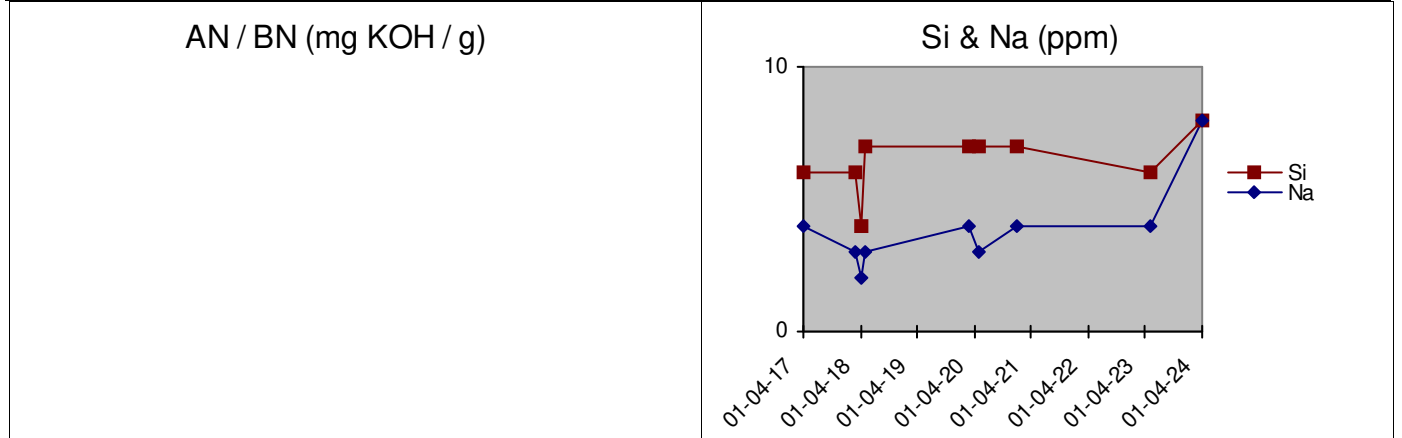
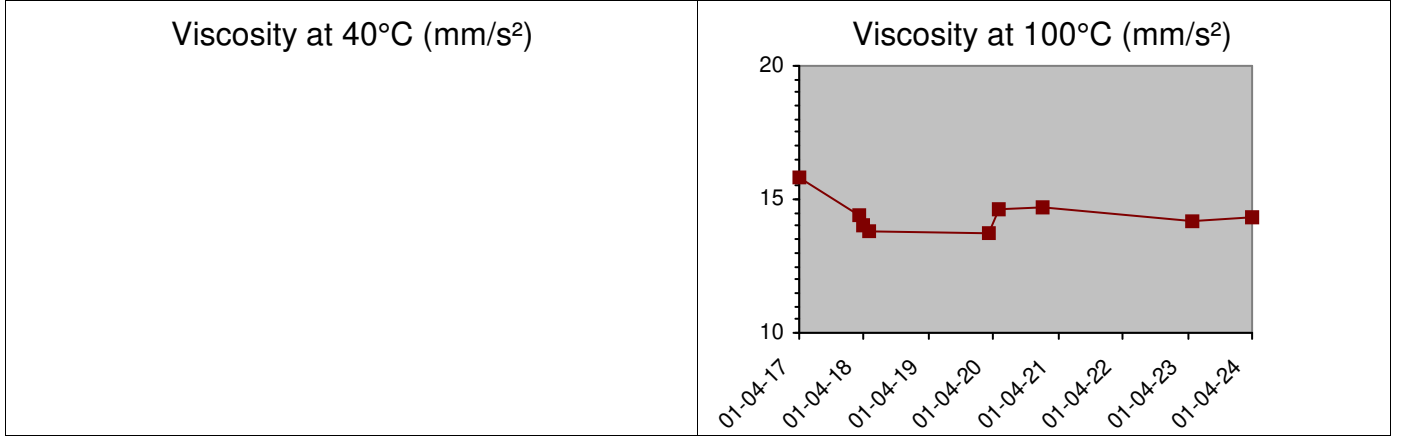


History lubricant:

17.05.24 A003

1	17.05.24 A003	ATLAS PAROIL E SAE 15W40
2	26.05.23 A007	ATLAS PAROIL E SAE 15W40
3	30.03.21 A006	ATLAS PAROIL E SAE 15W40
4	28.05.20 A003	ATLAS PAROIL E SAE 15W40
5	02.03.20 A003	ATLAS PAROIL E SAE 10W40
6	22.05.18 A003	ATLAS PAROIL E SAE 10W40

History 17.05.24 A003



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