

System: DIESEL ENGINE
Sump Capacity (k): 84 L
Lubricant (k): ATLAS PAROIL E MISS.GREEN SAE 15W40
Labocodenbr: 109830-SL.1
Samplenummer: 02.02.24 C005
Labelnummer: 429000800661
Date sample drawn (k): 19.01.2024
Sampling: by client

Customer (k): ATLAS COPCO RENTAL EUROP
Luc Despeghele
Address (k): INDUSTRIEWEG 1F
B- 2850 BOOM
Your customer (k): 279067/13132
Your ref. (k): D+/279067/13132/PTS1600



Oil



Pollution



Wear



Diagnostic

Attention: high content of iron. The other characteristics are considered as normal.

Action

Results:	Method*	Unit	Current sample						02.02.24 C005
Analysis date			2/02/2024	3/01/2023	18/10/2021	16/04/2018	29/03/2018	16/01/2017	
Date of receipt			2/02/2024	3/01/2023	18/10/2021	16/04/2018	29/03/2018	16/01/2017	
Sample date (k)			19/01/2024	16/11/2022	24/09/2021	16/04/2018	22/03/2018	2/01/2017	
H/Km Oil (k)			? H	? H	64 H	600 H	437 H	250 H	
H/Km total (k)			7916 H	7761 H	7490 H	7001 H	6883 H	6470 H	
Top up (k)			?	80	?	80	?	?	

Oil Condition:

Viscosity at 40°C	ASTM D7279	cSt						
Viscosity at 100°C	ASTM D7279	cSt	15.1	14.6	14.8	14.1	13.9	15.8
Viscosity-index	ASTM D2270							
Fuel dilution	ASTM D7593	%	0.72	0.66	0.43	0.62	0.51	0.53
AN	ASTM D8045	mg KOH/g						
BN	ASTM D2896B	mg KOH/g						
Oxidation	ASTM E2412 (A)	Abs/0.1mm	12.5	15.7	14.2	14.5	14.6	15.0
Nitration	ASTM E2412	Abs/0.1mm	6.7	10.6	4.6	6.3	8.2	10.8
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	2400	2080	1790	1830	1950	1940
Mg: Magnesium	ASTM D5185 (A)	ppm	17	84	395	404	423	457
P: Phosphorus	ASTM D5185 (A)	ppm	1079	1050	1083	1103	1218	1121
S: Sulfur	ASTM D5185	%	0.34	0.31	0.32	0.36	0.39	0.36
Zn: Zink	ASTM D5185 (A)	ppm	1179	1223	1255	1328	1426	1404

Pollution:

Si: Silicium	ASTM D5185 (A)	ppm	< 10	11	< 10	< 10	21	< 10
B: Boron	ASTM D5185	ppm	43	45	123	123	119	110
Na: Sodium	ASTM D5185 (A)	ppm	5	< 5	< 5	< 5	10	< 5
Water	WI-0002	%	< 0.04	< 0.04	< 0.04	< 0.04	0.05	< 0.04
Water (KF)	ASTM D6304C	ppm						
Soot content	ASTM E2412 (A)	%	0.03	0.33	0.06	0.10	0.27	1.72
Antifreeze	ASTM D2982A		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	11	16	< 5	< 5	13	< 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	116	185	38	16	54	37
Mo: Molybdenum	ASTM D5185 (A)	ppm	98	98	63	65	67	69
Pb: Lead	ASTM D5185 (A)	ppm	< 5	< 5	< 5	< 5	< 5	< 5
Sn: Tin	ASTM D5185	ppm	1	< 1	3	< 1	1	1
PQ index	WI-0021							

These conclusions are based on the 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: 2403601 - p.1 / 3

Diagnosis: ANW

Date of issue: 05/02/2024

B118 AC RENTAL EUROPE.

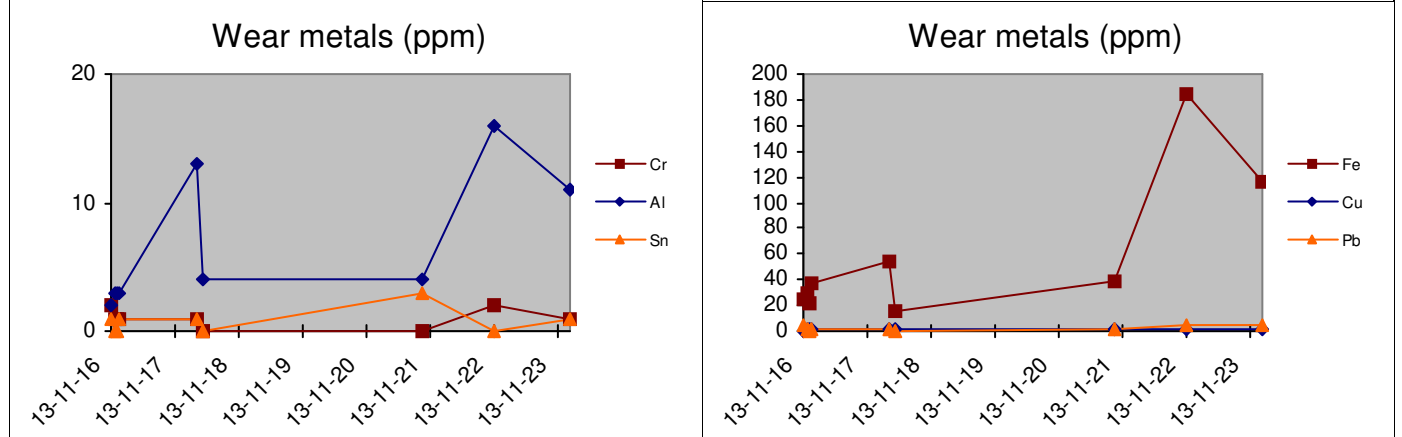
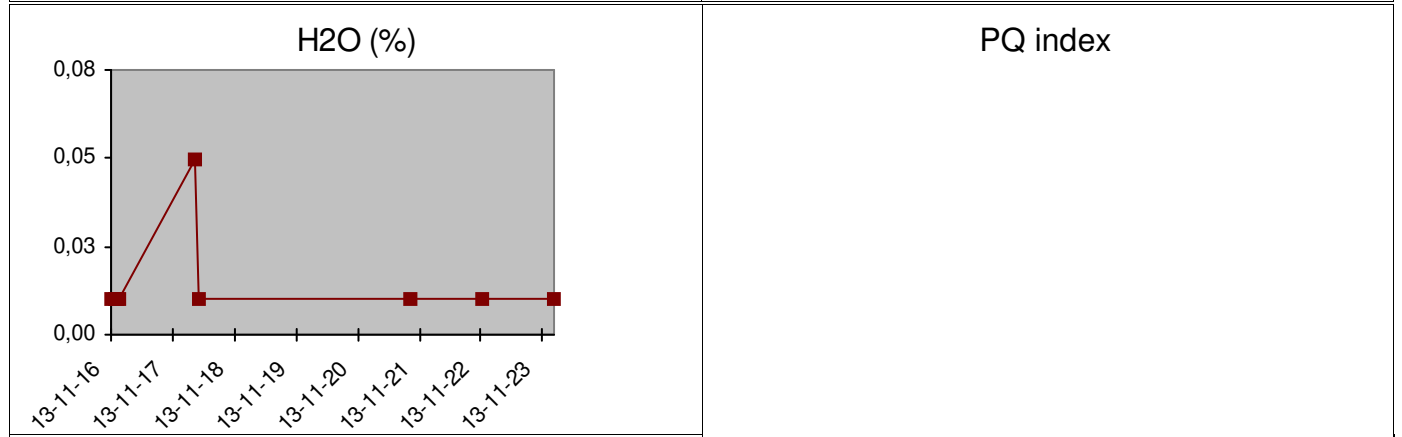
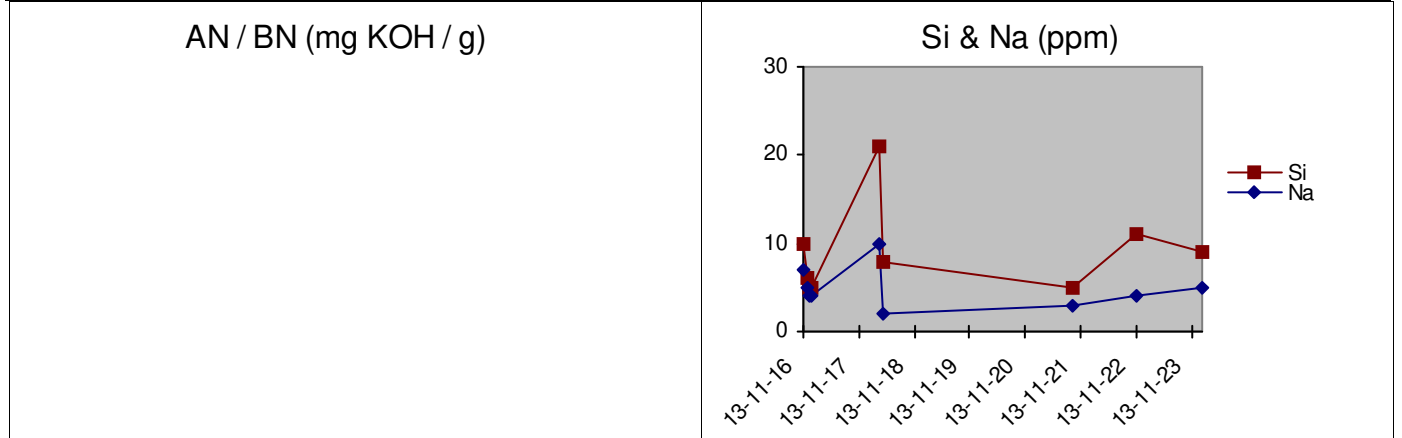
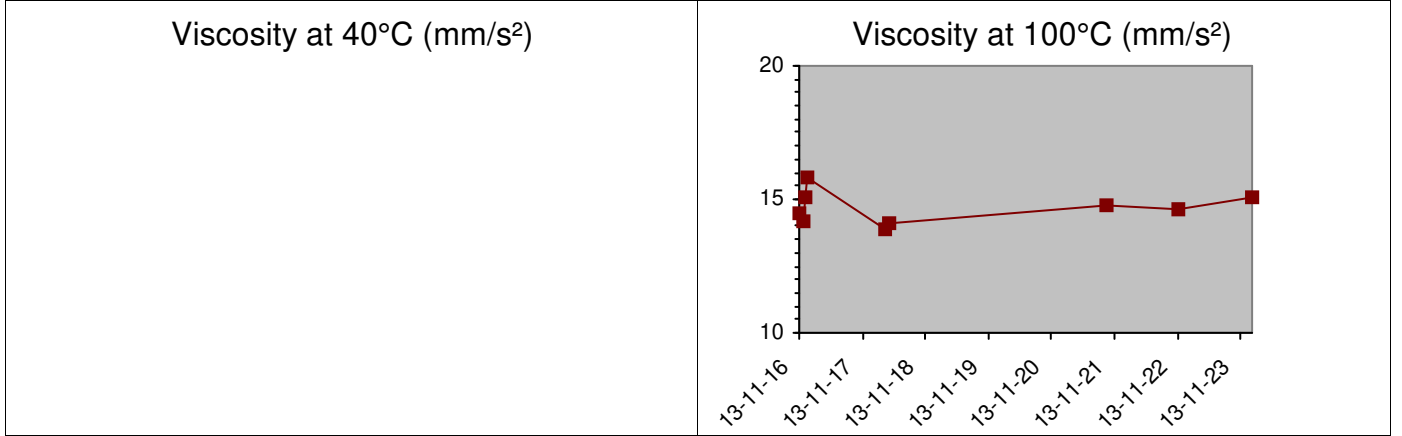


History lubricant:

02.02.24 C005

1	02.02.24 C005	ATLAS PAROIL E MISS.GREEN SAE 15W40
2	03.01.23 A006	ATLAS PAROIL E MISS.GREEN SAE 15W40
3	18.10.21 C008	ATLAS PAROIL E MISS.GREEN SAE 15W40
4	16.04.18 A015	ATLAS PAROIL E MISS.GREEN SAE 15W40
5	29.03.18 A030	ATLAS COPCO PAROIL E MISSION SAE 15W40
6	16.01.17 C011	ATLAS COPCO PAROIL E MISSION SAE 15W40

History 02.02.24 C005



These conclusions are based on the 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.