

System: DIESEL ENGINE  
 Sump Capacity (k): 85 L  
 Lubricant (k): ATLAS PAROIL E MISS.GREEN SAE 15W40  
 Labocodenbr: 109897-tq.1  
 Samplenumbr: 31.05.24 A004  
 Labelnumber: 00745043  
 Date sample drawn (k): 21.05.2024  
 Sampling: by client

Customer (k): ATLAS COPCO RENTAL EUROPE  
 Luc Despeghel  
 Address (k): INDUSTRIEWEG 1F  
 B- 2850 BOOM  
 Your customer (k): 864909/18504  
 Your ref. (k): B/864909/18504/PTS1600



Oil



Pollution



Wear



## Diagnostic

Results considered as normal for a running-in period.

Normal

Results:	Method*	Unit	Current sample			31.05.24 A004
Analysis date			31/05/2024	23/05/2024	14/05/2024	
Date of receipt			31/05/2024	23/05/2024	14/05/2024	
Sample date (k)			21/05/2024	7/05/2024	7/05/2024	
H/Km Oil (k)			311 H	175 H	? H	
H/Km total (k)			345 H	175 H	39 H	
Top up (k)			?	?	?	

### Oil Condition:

Viscosity at 40°C	ASTM D7279	cSt			
Viscosity at 100°C	ASTM D7279	cSt	14.1	14.4	14.7
Viscosity-index	ASTM D2270				
Fuel dilution	ASTM D7593	%	0.76	0.70	0.79
AN	ASTM D8045	mg KOH/g			
BN	ASTM D2896B	mg KOH/g			
Oxidation	ASTM E2412 (A)	Abs/0.1mm	13.4	13.3	12.1
Nitration	ASTM E2412	Abs/0.1mm	8.3	7.9	7.0
PMCC	ASTM D93	°C			
COC	ASTM D92B	°C			
Color	ASTM D1500				

### Additives:

Ba: Barium	ASTM D5185	ppm	< 1	< 1	< 1
Ca: Calcium	ASTM D5185 (A)	ppm	2304	2350	2170
Mg: Magnesium	ASTM D5185 (A)	ppm	18	17	16
P: Phosphorus	ASTM D5185 (A)	ppm	1022	1069	1035
S: Sulfur	ASTM D5185	%	0.39	0.41	0.37
Zn: Zink	ASTM D5185 (A)	ppm	1179	1208	1153

### Pollution:

Si: Silicon	ASTM D5185 (A)	ppm	< 10	< 10	< 10
B: Boron	ASTM D5185	ppm	113	132	149
Na: Sodium	ASTM D5185 (A)	ppm	5	5	< 5
Water	WI-0002	%	< 0.04	0.05	< 0.04
Water (KF)	ASTM D6304C	ppm			
Soot content	ASTM E2412 (A)	%	0.03	0.03	0.02
Antifreeze	ASTM D2982A		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
Cr: Chromium	ASTM D5185 (A)	ppm	< 5	< 5	< 5
Cu: Copper	ASTM D5185 (A)	ppm	< 5	< 5	< 5
Fe: Iron	ASTM D5185 (A)	ppm	< 5	< 5	< 5
Mo: Molybdenum	ASTM D5185 (A)	ppm	89	94	90
Pb: Lead	ASTM D5185 (A)	ppm	< 5	< 5	< 5
Sn: Tin	ASTM D5185	ppm	< 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: 2415502 - p.1 / 3

Diagnosis: ANW

Date of issue: 03/06/2024

B118 AC RENTAL EUROPE.



History lubricant:			31.05.24 A004
1	31.05.24 A004	ATLAS PAROIL E MISS.GREEN SAE 15W40	
2	23.05.24 A007	ATLAS PAROIL E MISS.GREEN SAE 15W40	
3	14.05.24 A013	?	
4			
5			
6			

History 31.05.24 A004

