

System: DIESEL ENGINE
Sump Capacity (k): 70 L
Lubricant (k): ATLAS PAROIL E MISS.GREEN SAE 15W40
Labocodenbr: 109830-hb.1
Samplenummer: 10.04.24 A018
Labelnummer: 429000800699
Date sample drawn (k): 8.02.2024
Sampling: by client

Customer (k): ATLAS COPCO RENTAL EUROP
Luc Despeghel
Address (k): INDUSTRIEWEG 1F
B- 2850 BOOM
Your customer (k): 291330/13205A
Your ref. (k): D+/291330/13205A/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						10.04.24 A018
Analysis date			10/04/2024	7/08/2023	1/06/2022	29/10/2020	14/07/2020	26/12/2018	
Date of receipt			10/04/2024	7/08/2023	1/06/2022	29/10/2020	14/07/2020	26/12/2018	
Sample date (k)			8/02/2024	30/05/2023	24/03/2022	?	7/07/2020	17/12/2018	
H/Km Oil (k)			75 H	? H	8776 H	11 H	500 H	222 H	
H/Km total (k)			9015 H	8940 H	8776 H	8558 H	8547 H	7333 H	
Top up (k)			?	80	80	80	80	?	

Oil Condition:

Viscosity at 40°C	ASTM D7279	cSt						
Viscosity at 100°C	ASTM D7279	cSt	14.8	13.9	14.0	15.1	14.3	14.1
Viscosity-index	ASTM D2270							
Fuel dilution	ASTM D7593	%	1.02	0.96	0.84	0.82	0.53	0.48
AN	ASTM D8045	mg KOH/g						
BN	ASTM D2896B	mg KOH/g						
Oxidation	ASTM E2412 (A)	Abs/0.1mm	14.5	15.6	14.4	14.1	17.6	17.3
Nitration	ASTM E2412	Abs/0.1mm	8.5	8.2	5.0	4.3	7.9	7.5
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	2350	1840	1770	2030	1820	1830
Mg: Magnesium	ASTM D5185 (A)	ppm	34	281	385	456	412	398
P: Phosphorus	ASTM D5185 (A)	ppm	1079	1004	1129	1255	1066	1132
S: Sulfur	ASTM D5185	%	0.35	0.30	0.29	0.42	0.34	0.32
Zn: Zink	ASTM D5185 (A)	ppm	1152	1287	1229	1543	1299	1270

Pollution:

Si: Silicon	ASTM D5185 (A)	ppm	< 10	13	18	10	< 10	< 10
B: Boron	ASTM D5185	ppm	105	79	101	144	53	78
Na: Sodium	ASTM D5185 (A)	ppm	< 5	< 5	< 5	< 5	< 5	< 5
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)	%	0.06	0.14	0.05	0.02	0.12	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	6	14	8	5	6	6
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	22	73	31	47	44	48
Mo: Molybdenum	ASTM D5185 (A)	ppm	95	76	63	74	66	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.

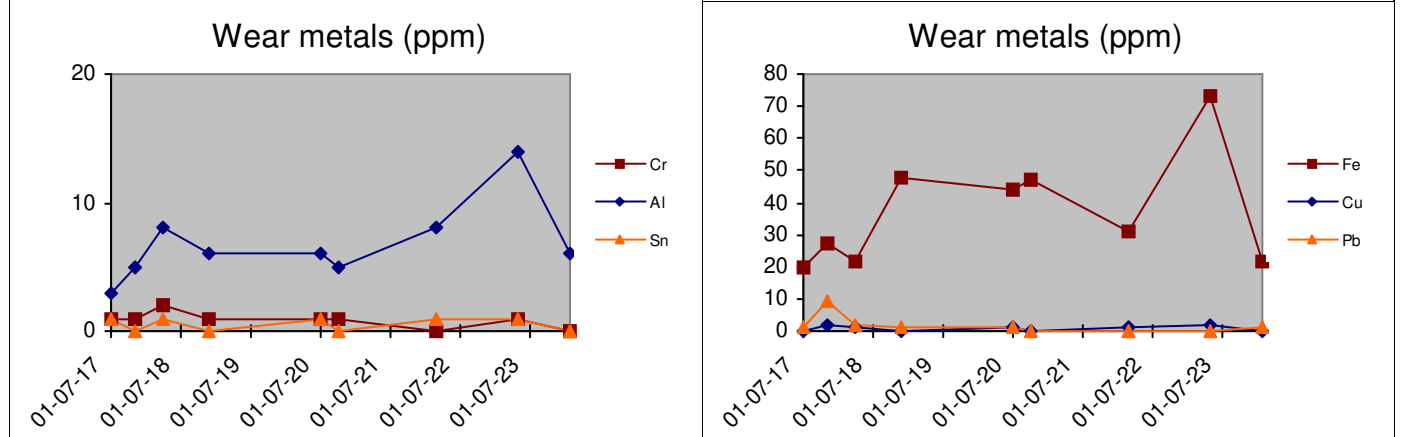
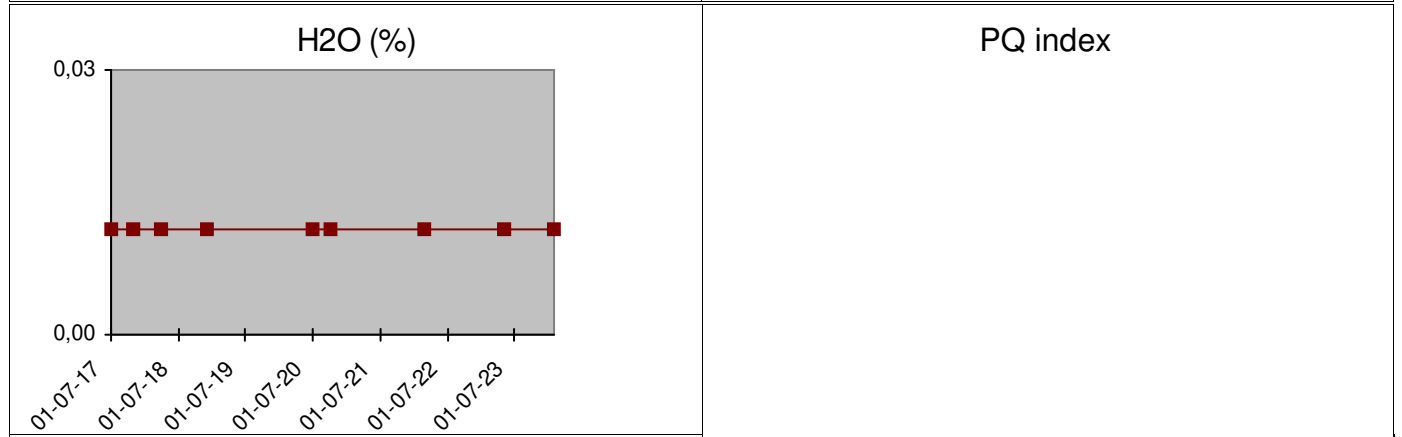
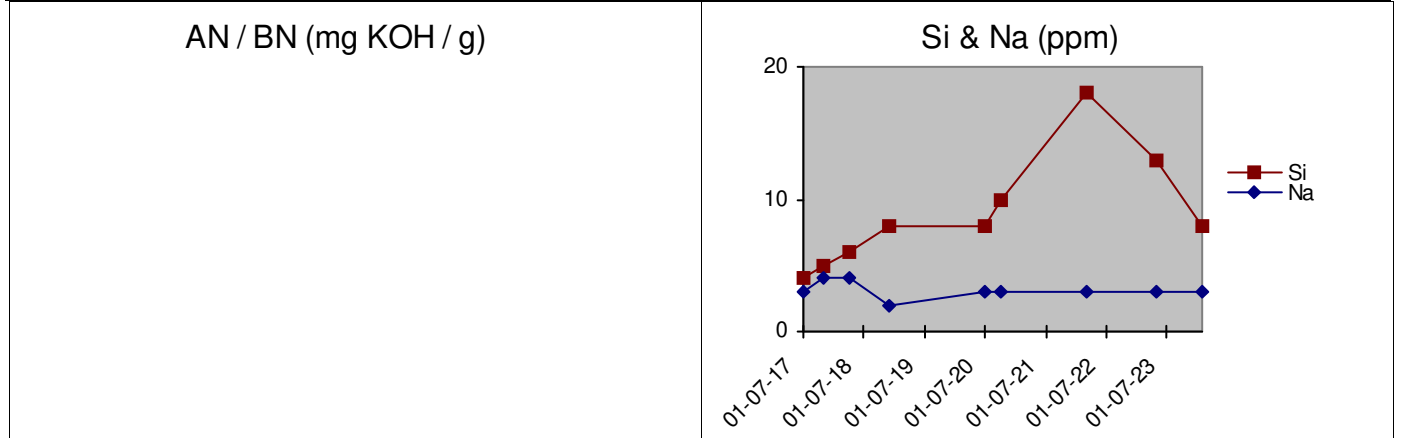
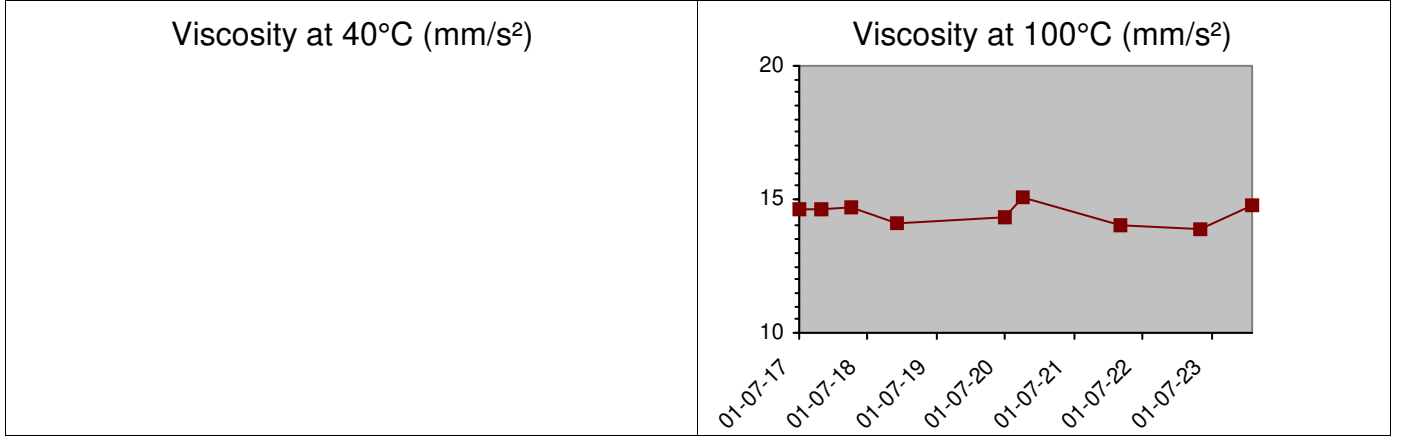
Batch: 2410303 - p.1 / 2

Diagnosis: ANW

Date of issue: 12/04/2024

B118 AC RENTAL EUROPE.

History 10.04.24 A018



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