

System: AIR COMPRESSOR
Sump Capacity (k): 35 L
Lubricant (k): ATLAS COPCO ROTO Z ISO 68
Labocodenbr: 109897-tz.9
Samplenummer: 12.07.24 O015
Labelnummer: 429000801855
Date sample drawn (k): 28.06.2024
Sampling: by client

Customer (k): ATLAS COPCO RENTAL EUROPE
Luc Despeghel
Address (k): INDUSTRIEWEG 1F
B- 2850 BOOM
Your customer (k): 90926201/17539
Your ref. (k):

Diagnostic



Oil



Pollution



Wear



The oil is contaminated with a significant amount of water. Aspect: Free water visible at the bottom of the sample. The other characteristics are considered as normal. Please investigate and eliminate the cause of waterinfiltration.

Action

Results: Method* Unit Current sample 12.07.24 O015

Results:	Method*	Unit	Current sample	12.07.24 O015
Analysis date			12/07/2024	
Date of receipt			12/07/2024	
Sample date (k)			28/06/2024	
H/Km Oil (k)			4833 H	
H/Km total (k)			4833 H	
Top up (k)			?	

Oil Condition:

Viscosity at 40°C	ASTM D7279	cSt	66.4	
Viscosity at 100°C	ASTM D7279	cSt	9.6	
Viscosity-index	ASTM D2270		126	
Fuel dilution	ASTM D7593	%		
AN	ASTM D8045	mg KOH/g	0.31	
BN	ASTM D2896B	mg KOH/g		
Oxidation	ASTM E2412 (A)	Abs/0.1mm	6.4	
Nitration	ASTM E2412	Abs/0.1mm	3.7	
PMCC	ASTM D93	°C		
COC	ASTM D92B	°C		
Color	ASTM D1500			

Additives:

Ba: Barium	ASTM D5185	ppm	< 1	
Ca: Calcium	ASTM D5185 (A)	ppm	19	
Mg: Magnesium	ASTM D5185 (A)	ppm	5	
P: Phosphorus	ASTM D5185 (A)	ppm	396	
S: Sulfur	ASTM D5185	%	0.00	
Zn: Zink	ASTM D5185 (A)	ppm	48	

Pollution:

Si: Silicon	ASTM D5185 (A)	ppm	< 10	
B: Boron	ASTM D5185	ppm	< 1	
Na: Sodium	ASTM D5185 (A)	ppm	< 5	
Water	WI-0002	%	0.36	
Water (KF)	ASTM D6304C	ppm		
Soot content	ASTM E2412 (A)	%		
Antifreeze	ASTM D2982A			
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	
Cr: Chromium	ASTM D5185 (A)	ppm	< 5	
Cu: Copper	ASTM D5185 (A)	ppm	< 5	
Fe: Iron	ASTM D5185 (A)	ppm	< 5	
Mo: Molybdenum	ASTM D5185 (A)	ppm	< 5	
Pb: Lead	ASTM D5185 (A)	ppm	< 5	
Sn: Tin	ASTM D5185	ppm	< 1	
PQ index	WI-0021			