

System: DIESEL ENGINE  
 Sump Capacity (k): ?  
 Lubricant (k): ATLAS PAROIL E MISS.GREEN SAE 15W40  
 Labocodenbr: 109897-og.1  
 Samplenummer: 07.08.23 A026  
 Labelnummer: 00724838  
 Date sample drawn (k): 20.07.2023  
 Sampling: by client

Customer (k): ATLAS COPCO RENTAL EUROPE  
 Luc Despeghel  
 Address (k): INDUSTRIEWEG 1F  
 B- 2850 BOOM  
 Your customer (k):  
 Your ref. (k): N+E/RFO JBM/QAS250

## Diagnostic



Oil



Pollution



Wear



Pollution of the oil by a huge amount of silicon. The other characteristics are considered as normal.

Action

| Results:              | Method*        | Unit      | Current sample | 07.08.23 A026 |
|-----------------------|----------------|-----------|----------------|---------------|
| Analysis date         |                |           | 7/08/2023      |               |
| Date of receipt       |                |           | 7/08/2023      |               |
| Sample date (k)       |                |           | 20/07/2023     |               |
| H/Km Oil (k)          |                |           | ? H            |               |
| H/Km total (k)        |                |           | 331 H          |               |
| Top up (k)            |                |           | ?              |               |
| <b>Oil Condition:</b> |                |           |                |               |
| Viscosity at 40°C     | ASTM D7279     | cSt       |                |               |
| Viscosity at 100°C    | ASTM D7279     | cSt       | 13.6           |               |
| Viscosity-index       | ASTM D2270     |           |                |               |
| Fuel dilution         | ASTM D7593     | %         | 0.88           |               |
| AN                    | ASTM D8045     | mg KOH/g  |                |               |
| BN                    | ASTM D2896B    | mg KOH/g  |                |               |
| Oxidation             | ASTM E2412 (A) | Abs/0.1mm | 14.8           |               |
| Nitration             | ASTM E2412     | Abs/0.1mm | 6.3            |               |
| PMCC                  | ASTM D93       | °C        |                |               |
| COC                   | ASTM D92B      | °C        |                |               |
| Color                 | ASTM D1500     |           |                |               |
| <b>Additives:</b>     |                |           |                |               |
| Ba: Barium            | ASTM D5185     | ppm       | 1              |               |
| Ca: Calcium           | ASTM D5185 (A) | ppm       | 1810           |               |
| Mg: Magnesium         | ASTM D5185 (A) | ppm       | 360            |               |
| P: Phosphorus         | ASTM D5185 (A) | ppm       | 1004           |               |
| S: Sulfur             | ASTM D5185     | %         | 0.32           |               |
| Zn: Zink              | ASTM D5185 (A) | ppm       | 1247           |               |
| <b>Pollution:</b>     |                |           |                |               |
| Si: Silicium          | ASTM D5185 (A) | ppm       | 28             |               |
| B: Boron              | ASTM D5185     | ppm       | 129            |               |
| Na: Sodium            | ASTM D5185 (A) | ppm       | < 5            |               |
| Water                 | WI-0002        | %         | < 0.04         |               |
| Water (KF)            | ASTM D6304C    | ppm       |                |               |
| Soot content          | ASTM E2412 (A) | %         | 0.02           |               |
| Antifreeze            | ASTM D2982A    |           | Neg.           |               |
| PC ISO grade          | ASTM D7647 (A) |           |                |               |
| PC Cleanliness class  | ASTM D7647 (A) |           |                |               |
| Insolubles            | ASTM D4898     | mg/l      |                |               |
| <b>Wear metals:</b>   |                |           |                |               |
| Al: Aluminium         | ASTM D5185 (A) | ppm       | < 5            |               |
| Cr: Chromium          | ASTM D5185 (A) | ppm       | < 5            |               |
| Cu: Copper            | ASTM D5185 (A) | ppm       | 12             |               |
| Fe: Iron              | ASTM D5185 (A) | ppm       | 6              |               |
| Mo: Molybdenum        | ASTM D5185 (A) | ppm       | 65             |               |
| Pb: Lead              | ASTM D5185 (A) | ppm       | < 5            |               |
| Sn: Tin               | ASTM D5185     | ppm       | 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: 2322102 - p.1 / 1

Diagnosis: KDS

Date of issue: 09/08/2023

B118 AC RENTAL EUROPE.