

System: UNKNOWN SYSTEM  
 Sump Capacity (k): ?  
 Lubricant (k): ANDEROL 5220  
 Labocodenbr: 110111-es.9  
 Samplenummer: 07.05.24 F003  
 Labelnummer: 209000800230  
 Date sample drawn (k): 6.05.2024  
 Sampling: by client

Customer (k): BV ANDEROL  
 Dhr.JOOST VANNOORLOOS  
 Address (k): GROOT EGTEENRAYSEWEG 23  
 NL-5928 PA VENLO  
 Your customer (k): 103479735  
 Your ref. (k):

## Diagnostic

Your demand : TAN (ASTM D8045).

### Results: 07.05.24 F003

| Results:        | Method* | Unit | Current sample |
|-----------------|---------|------|----------------|
| Analysis date   |         |      | 7/05/2024      |
| Date of receipt |         |      | 7/05/2024      |
| Sample date (k) |         |      | 6/05/2024      |
| H/Km Oil (k)    |         |      | ?              |
| H/Km total (k)  |         |      | ?              |
| Top up (k)      |         |      | ?              |

### Oil Condition:

|                    |                |           |      |
|--------------------|----------------|-----------|------|
| Viscosity at 40°C  | ASTM D7279     | cSt       |      |
| Viscosity at 100°C | ASTM D7279     | cSt       |      |
| Viscosity-index    | ASTM D2270     |           |      |
| Fuel dilution      | ASTM D7593     | %         |      |
| AN                 | ASTM D8045     | mg KOH/g  | 0.95 |
| BN                 | ASTM D2896B    | mg KOH/g  |      |
| Oxidation          | ASTM E2412 (A) | Abs/0.1mm |      |
| Nitration          | ASTM E2412     | Abs/0.1mm |      |
| PMCC               | ASTM D93       | °C        |      |
| COC                | ASTM D92B      | °C        |      |
| Color              | ASTM D1500     |           |      |

### Additives:

|               |                |     |  |
|---------------|----------------|-----|--|
| Ba: Barium    | ASTM D5185     | ppm |  |
| Ca: Calcium   | ASTM D5185 (A) | ppm |  |
| Mg: Magnesium | ASTM D5185 (A) | ppm |  |
| P: Phosphorus | ASTM D5185 (A) | ppm |  |
| S: Sulfur     | ASTM D5185     | %   |  |
| Zn: Zink      | ASTM D5185 (A) | ppm |  |

### Pollution:

|                      |                |      |  |
|----------------------|----------------|------|--|
| Si: Silicon          | ASTM D5185 (A) | ppm  |  |
| B: Boron             | ASTM D5185     | ppm  |  |
| Na: Sodium           | ASTM D5185 (A) | ppm  |  |
| Water                | WI-0002        | %    |  |
| 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 |  |
| Cr: Chromium   | ASTM D5185 (A) | ppm |  |
| Cu: Copper     | ASTM D5185 (A) | ppm |  |
| Fe: Iron       | ASTM D5185 (A) | ppm |  |
| Mo: Molybdenum | ASTM D5185 (A) | ppm |  |
| Pb: Lead       | ASTM D5185 (A) | ppm |  |
| Sn: Tin        | ASTM D5185     | ppm |  |
| 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: 2412803 - p.1 / 1

Diagnosis: ANW

Date of issue: 07/05/2024

AN02 ANDEROL.