

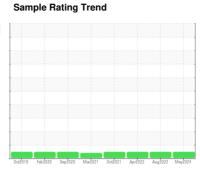
# **OIL ANALYSIS REPORT**



# Atlas Copco FHG82CK01 Main Fermentation Air, Compressor

**Air Compressor** 

MOBIL DTE OIL HVY MEDIUM (--- GAL)





### Recommendation

Resample at the next service interval to monitor. ( Customer Sample Comment: Was not running)

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

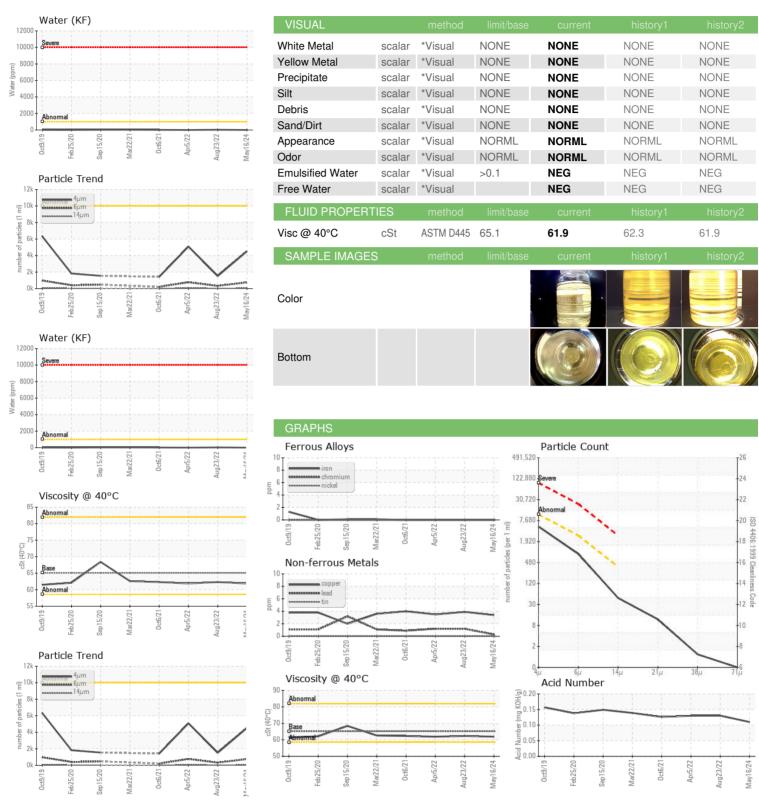
### **Fluid Condition**

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

| SAMPLE INFORM   | MATION | method       | limit/base | current     | history1    | history2    |
|-----------------|--------|--------------|------------|-------------|-------------|-------------|
| Sample Number   |        | Client Info  |            | WC0916405   | WC0726021   | WC0679868   |
| Sample Date     |        | Client Info  |            | 16 May 2024 | 23 Aug 2022 | 05 Apr 2022 |
| Machine Age     | yrs    | Client Info  |            | 0           | 0           | 0           |
| Oil Age         | yrs    | Client Info  |            | 0           | 0           | 0           |
| Oil Changed     | ,      | Client Info  |            | N/A         | N/A         | N/A         |
| Sample Status   |        |              |            | NORMAL      | NORMAL      | NORMAL      |
| WEAR METALS     |        | method       | limit/base | current     | history1    | history2    |
| Iron            | ppm    | ASTM D5185m  | >70        | 0           | 0           | 0           |
| Chromium        | ppm    | ASTM D5185m  | >15        | 0           | 0           | 0           |
| Nickel          | ppm    | ASTM D5185m  | >6         | 0           | 0           | 0           |
| Titanium        | ppm    | ASTM D5185m  |            | 0           | 0           | 0           |
| Silver          | ppm    | ASTM D5185m  |            | 0           | <1          | <1          |
| Aluminum        | ppm    | ASTM D5185m  | >10        | 0           | <1          | 0           |
| Lead            | ppm    | ASTM D5185m  | >20        | <1          | 1           | 1           |
| Copper          | ppm    | ASTM D5185m  | >80        | 3           | 4           | 4           |
| Tin             | ppm    | ASTM D5185m  | >15        | 0           | 0           | 0           |
| Antimony        | ppm    | ASTM D5185m  |            |             |             |             |
| Vanadium        | ppm    | ASTM D5185m  |            | 0           | 0           | 0           |
| Cadmium         | ppm    | ASTM D5185m  |            | 0           | 0           | 0           |
| ADDITIVES       |        | method       | limit/base | current     | history1    | history2    |
| Boron           | ppm    | ASTM D5185m  |            | 0           | <1          | 2           |
| Barium          | ppm    | ASTM D5185m  |            | 0           | 0           | 0           |
| Molybdenum      | ppm    | ASTM D5185m  |            | 0           | 0           | 0           |
| Manganese       | ppm    | ASTM D5185m  |            | 0           | 0           | 0           |
| Magnesium       | ppm    | ASTM D5185m  |            | 0           | 0           | 0           |
| Calcium         | ppm    | ASTM D5185m  |            | 0           | 2           | 0           |
| Phosphorus      | ppm    | ASTM D5185m  |            | 115         | 114         | 106         |
| Zinc            | ppm    | ASTM D5185m  |            | 77          | 74          | 77          |
| Sulfur          | ppm    | ASTM D5185m  |            | 1325        | 1135        | 1046        |
| CONTAMINANTS    |        | method       | limit/base | current     | history1    | history2    |
| Silicon         | ppm    | ASTM D5185m  | >12        | <1          | <1          | 0           |
| Sodium          | ppm    | ASTM D5185m  |            | <1          | <1          | 0           |
| Potassium       | ppm    | ASTM D5185m  | >20        | 0           | 0           | <1          |
| Water           | %      | ASTM D6304   | >0.1       | 0.00        | 0.003       | 0.00        |
| ppm Water       | ppm    | ASTM D6304   | >1000      | 0           | 29.2        | 0.00        |
| FLUID CLEANLIN  | ESS    | method       | limit/base | current     | history1    | history2    |
| Particles >4µm  |        | ASTM D7647   | >10000     | 4517        | 1513        | 5079        |
| Particles >6µm  |        | ASTM D7647   | >2500      | 745         | 325         | 762         |
| Particles >14µm |        | ASTM D7647   | >320       | 41          | 26          | 54          |
| Particles >21µm |        | ASTM D7647   | >80        | 10          | 5           | 15          |
| Particles >38µm |        | ASTM D7647   | >20        | 1           | 0           | 2           |
| Particles >71µm |        | ASTM D7647   |            | 0           | 0           | 0           |
| Oil Cleanliness |        | ISO 4406 (c) | >20/18/15  | 19/17/13    | 18/16/12    | 20/17/13    |
| FLUID DEGRADA   | TION   | method       | limit/base | current     | history1    | history2    |



## OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number

: WC0916405 : 06184305 Unique Number : 11035631

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested** Diagnosed

: 20 May 2024 : 21 May 2024 P.O. BOX 576, 77 PERRY CHAPEL CHURCH ROAD FRANKLINTON, NC

: 22 May 2024 - Don Baldridge Test Package : IND 2 ( Additional Tests: KF, PrtCount )

US 27525 Contact: BRUCE THOMAS brct@novozymes.com T: (919)494-3146

 $^st$  - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

To discuss this sample report, contact Customer Service at 1-800-237-1369.

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**NOVOZYMES**