

Analysis Report

Lube Type: 24KT **Serial No.:** 201212080045 **ATTN:** Bob Lisi
Compressor MFG: SULLAIR **Asset No.:** Akron Brass
Compressor Model: 5507/VAC **Report:** 8/24/2018 **Analyst:** ETR (8130/62/2)

Problems: No problems found with current sample.

Customer Notes:

The results for this sample indicate normal conditions. Please continue scheduled sampling.

For questions concerning this report, contact your local authorized Sullair distributor or Sullair service at 1-888-785-5247.

| Date | | 8/15/18 | 3/12/18 | 9/20/17 | 3/16/17 | |
|--|------------|----------|----------|----------|----------|----------|
| Lab No | Reference | 2311519 | 2184584 | 2050322 | 1912375 | |
| Lube Hours | | 2846 | 34827 | 31775 | 28397 | |
| Compressor Hours | | 37673 | 34827 | 31775 | 28397 | |
| Viscosity (Reported in centistokes) ASTM D 445 Mod | | | | | | |
| Viscosity @ 40C | | 20.3 | 23.4 | 21.2 | 22.3 | 21.9 |
| FTIR 24 KT (Reported in %) Method | | | | | | |
| Additive | | 99 | 63 | 78 | 81 | 79 |
| Mineral Oil Cont. | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| PAG/ Ester Cont. | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Cleaner Cont. | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Water Content | | | | | | |
| Water % | | Neg (c) | Neg (c) | Neg (c) | Neg (c) | Neg (c) |
| Spectroscopic Analysis (Reported in ppm) ASTM D5185 Mod | | | | | | |
| Wear Metals | Iron | 0 | 0 | 0 | 0 | 4 |
| | Copper | 0 | 0 | 0 | 0 | 0 |
| | Lead | 0 | 0 | 0 | 0 | 0 |
| | Aluminum | 0 | 0 | 0 | 0 | 0 |
| | Nickel | 0 | 0 | 0 | 0 | 0 |
| | Chromium | 0 | 0 | 0 | 0 | 0 |
| | Titanium | 0 | 0 | 0 | 0 | 0 |
| Additives | Calcium | 0 | 0 | 0 | 0 | 0 |
| | Magnesium | 0 | 0 | 0 | 0 | 0 |
| | Phosphorus | 22 | 3 | 3 | 0 | 0 |
| | Zinc | 0 | 1 | 0 | 0 | 0 |
| | Barium | 0 | 0 | 0 | 0 | 0 |
| | Molybdenum | 0 | 0 | 0 | 0 | 0 |
| Contam. | Silicon | > 5000 | > 5000 | > 5000 | > 5000 | > 5000 |
| | Boron | 0 | 1 | 0 | 0 | 0 |
| | Sodium | 0 | 0 | 0 | 0 | 0 |
| | Potassium | 0 | 0 | 0 | 0 | 0 |
| Particle Count (Reported in particles per ml) ISO 4406.99 | | | | | | |
| ISO CODE | | 21/18/15 | 18/16/13 | 19/18/14 | 17/15/11 | 27/24/20 |
| >4 Micron | | 20000 | 1548 | 3743 | 656 | 999999 |
| >6 Micron | | 2500 | 602 | 1455 | 255 | 99999 |
| >14 Micron | | 320 | 45 | 111 | 19 | 9999 |
| >50 Micron | | 0 | 2 | 4 | 0 | 99 |
| >100 Micron | | 0 | 0 | 0 | 0 | 9 |

