

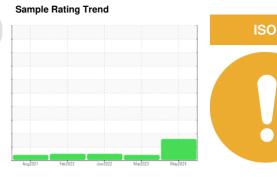
OIL ANALYSIS REPORT

[9592]

KAESER CSD 75 7751125 (S/N 1184)

Compressor

KAESER SIGMA (OEM) S-460 (--- GAL)



Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of particulates present in the oil.

Fluid Condition

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

| OAMBLE MESSI | | | | | | |
|------------------|----------|--------------|------------|-----------------|-------------|-------------|
| SAMPLE INFORM | MATION | method | limit/base | current | history1 | history2 |
| Sample Number | | Client Info | | KC129472 | KC102011 | KC17830 |
| Sample Date | | Client Info | | 22 May 2024 | 09 Mar 2023 | 23 Jun 2022 |
| Machine Age | hrs | Client Info | | 18796 | 11598 | 8588 |
| Oil Age | hrs | Client Info | | 7197 | 5010 | 2000 |
| Oil Changed | | Client Info | | Changed | Changed | N/A |
| Sample Status | | | | ATTENTION | ABNORMAL | NORMAL |
| WEAR METALS | | method | limit/base | current | history1 | history2 |
| Iron | ppm | ASTM D5185m | >50 | 0 | 0 | <1 |
| Chromium | ppm | ASTM D5185m | >10 | 0 | 0 | 0 |
| Nickel | ppm | ASTM D5185m | >3 | 0 | 0 | 0 |
| Titanium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Silver | ppm | ASTM D5185m | >2 | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | | 0 | 0 | <1 |
| Lead | ppm | ASTM D5185m | >10 | 0 | 0 | 0 |
| Copper | ppm | ASTM D5185m | >50 | 15 | 2 | 8 |
| Tin | ppm | ASTM D5185m | >10 | 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 | 0 | 0 |
| Barium | ppm | ASTM D5185m | 90 | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Manganese | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Magnesium | ppm | ASTM D5185m | 90 | 0 | 0 | <1 |
| Calcium | ppm | ASTM D5185m | 2 | 0 | 0 | 0 |
| Phosphorus | ppm | ASTM D5185m | | 0 | <1 | 11 |
| Zinc | ppm | ASTM D5185m | | 0 | 0 | 0 |
| CONTAMINANTS | | method | limit/base | current | history1 | history2 |
| Silicon | ppm | ASTM D5185m | >25 | 0 | 0 | <1 |
| Sodium | ppm | ASTM D5185m | | <1 | <1 | 0 |
| Potassium | ppm | ASTM D5185m | >20 | 0 | <1 | <1 |
| Water | % | ASTM D6304 | >0.05 | 0.007 | 0.004 | 0.005 |
| ppm Water | ppm | ASTM D6304 | >500 | 75 | 42.3 | 58.8 |
| FLUID CLEANLIN | ESS | method | limit/base | current | history1 | history2 |
| Particles >4µm | | ASTM D7647 | | 6660 | | 737 |
| Particles >6μm | | ASTM D7647 | >1300 | 1639 | | 231 |
| Particles >14μm | | ASTM D7647 | >80 | 149 | | 33 |
| Particles >21µm | | ASTM D7647 | >20 | 9 36 | | 12 |
| Particles >38μm | | ASTM D7647 | >4 | 1 | | 1 |
| Particles >71μm | | ASTM D7647 | | 0 | | 0 |
| Oil Cleanliness | | ISO 4406 (c) | >/17/13 | 20/18/14 | | 17/15/12 |
| FLUID DEGRADA | TION | method | limit/base | current | history1 | history2 |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | 0.4 | 0.51 | 0.06 | 0.50 |



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No. Lab Number

: KC129472 : 06197642 Unique Number : 11059765 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 03 Jun 2024 **Tested** : 04 Jun 2024

Diagnosed : 04 Jun 2024 - Don Baldridge

WINNEBAGO IND. INC. 605 W. CRYSTAL LAKE RD. FOREST CITY, IA

US 50436

Contact: SERVICE MANAGER

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

* - 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)

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