

OIL ANALYSIS REPORT

Sample Rating Trend

ISO



Component Hydraulic System Fluid

AW HYDRAULIC OIL ISO 32 (--- GAL)

DIAGNOSIS

A Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Wear

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All component wear rates are normal.

Contamination

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

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

| O 32 (GAL) | | | | Jan2024 | | |
|------------------------|----------|--------------|------------|-------------------|----------|----------|
| SAMPLE INFOR | MATION | method | limit/base | current | history1 | history2 |
| Sample Number | | Client Info | | GFL0102474 | | |
| Sample Date | | Client Info | | 02 Jan 2024 | | |
| Machine Age | hrs | Client Info | | 2156 | | |
| Oil Age | hrs | Client Info | | 0 | | |
| Oil Changed | | Client Info | | Not Changd | | |
| Sample Status | | | | ABNORMAL | | |
| CONTAMINAT | ION | method | limit/base | current | history1 | history2 |
| Water | | WC Method | >0.1 | NEG | | |
| WEAR METAL | .S | method | limit/base | current | history1 | history2 |
| Iron | ppm | ASTM D5185m | >50 | 0 | | |
| Chromium | ppm | ASTM D5185m | >10 | 0 | | |
| Nickel | ppm | ASTM D5185m | >4 | 0 | | |
| Titanium | ppm | ASTM D5185m | | 0 | | |
| Silver | ppm | ASTM D5185m | | 0 | | |
| Aluminum | ppm | ASTM D5185m | >5 | 0 | | |
| Lead | ppm | ASTM D5185m | | 0 | | |
| Copper | ppm | ASTM D5185m | >15 | 0 | | |
| Tin | ppm | ASTM D5185m | >4 | 0 | | |
| Vanadium | ppm | ASTM D5185m | | 0 | | |
| Cadmium | ppm | ASTM D5185m | | 0 | | |
| ADDITIVES | | method | limit/base | current | history1 | history2 |
| | | | | | | |
| Boron | ppm | ASTM D5185m | 5 | 0 | | |
| Barium Makukalan wa | ppm | ASTM D5185m | 5 | 0 | | |
| Molybdenum | ppm | ASTM D5185m | 5 | 0 | | |
| Manganese | ppm | ASTM D5185m | 05 | 0 | | |
| Magnesium | ppm | ASTM D5185m | 25 | 31 | | |
| Calcium | ppm | ASTM D5185m | 200 | 21 | | |
| Phosphorus | ppm | ASTM D5185m | 300 | 264 | | |
| Zinc | ppm | ASTM D5185m | 370 | 302 | | |
| Sulfur | ppm | ASTM D5185m | 2500 | 531 | | |
| CONTAMINAN | ITS | method | limit/base | current | history1 | history2 |
| Silicon | ppm | ASTM D5185m | >15 | 0 | | |
| Sodium | ppm | ASTM D5185m | | 2 | | |
| Potassium | ppm | ASTM D5185m | >20 | 0 | | |
| FLUID CLEAN | LINESS | method | limit/base | current | history1 | history2 |
| Particles >4µm | | ASTM D7647 | >5000 | A 31105 | | |
| Particles >6µm | | ASTM D7647 | >1300 | <u> </u> | | |
| Particles >14µm | | ASTM D7647 | >160 | A 1057 | | |
| Particles >21µm | | ASTM D7647 | >40 | <u> </u> | | |
| Particles >38µm | | ASTM D7647 | >10 | 4 | | |
| Particles >71µm | | ASTM D7647 | >3 | 0 | | |
| Oil Cleanliness | | ISO 4406 (c) | >19/17/14 | A 22/21/17 | | |
| FLUID DEGRAI | DATION | method | limit/base | current | history1 | history2 |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | 0.57 | 0.24 | | |
| | - | | | | | |

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Contact/Location: See also GFL823, 834, 837, 840 - Robert Hart - GFL836



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method

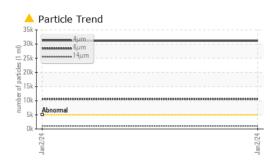
limit/base

current

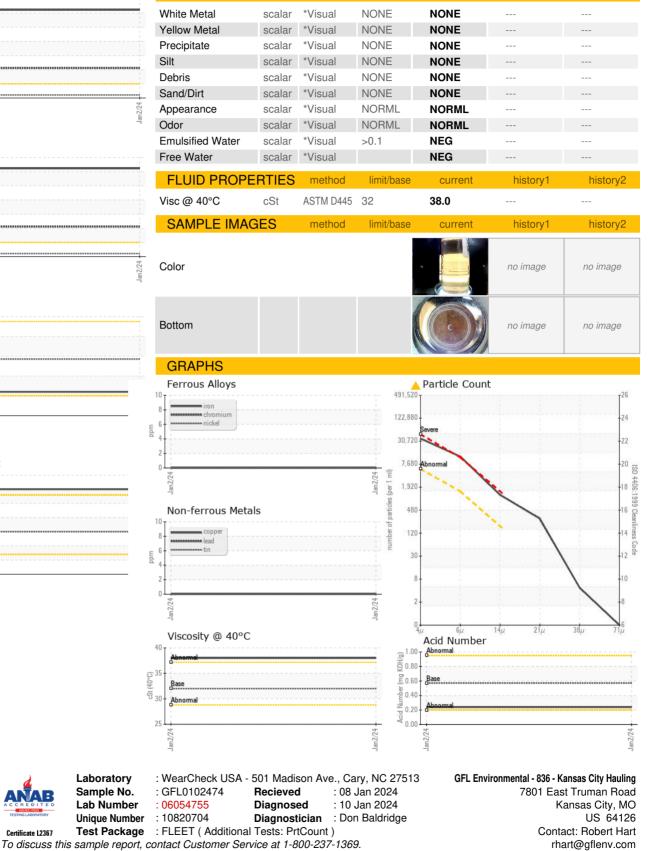
history1

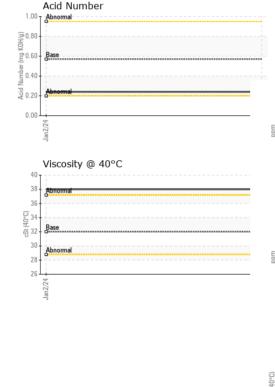
history2

VISUAL









Certificate L2367

Laboratory

Sample No.

Lab Number

Unique Number

* - 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)

Contact/Location: See also GFL823, 834, 837, 840 - Robert Hart - GFL836

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