

OIL ANALYSIS REPORT

Sample Rating Trend **NORMAL**

Cranes

15135-AT 100

Transfer Case

GEAR OIL SAE 80W90 (--- GAL)

Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

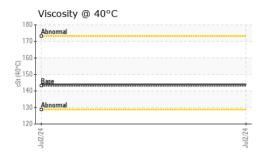
Fluid Condition

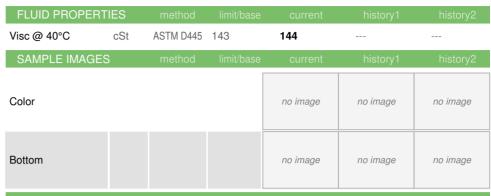
The condition of the oil is acceptable for the time in service.

| | | | | Jul2024 | | |
|------------------|------------|-------------|------------|-------------|----------|----------|
| OANDI E MEGEN | 4 A T LO L | | | | | |
| SAMPLE INFORM | MATION | method | limit/base | current | history1 | history2 |
| Sample Number | | Client Info | | WC0919732 | | |
| Sample Date | | Client Info | | 02 Jul 2024 | | |
| Machine Age | hrs | Client Info | | 7493 | | |
| Oil Age | hrs | Client Info | | 7455 | | |
| Oil Changed | | Client Info | | Not Changd | | |
| Sample Status | | | | NORMAL | | |
| CONTAMINATION | V | method | limit/base | current | history1 | history2 |
| Water | | WC Method | >0.2 | NEG | | |
| WEAR METALS | | method | limit/base | current | history1 | history2 |
| Iron | ppm | ASTM D5185m | >500 | 65 | | |
| Chromium | ppm | ASTM D5185m | >5 | <1 | | |
| Nickel | ppm | ASTM D5185m | >5 | <1 | | |
| Titanium | ppm | ASTM D5185m | | <1 | | |
| Silver | ppm | ASTM D5185m | | 0 | | |
| Aluminum | ppm | ASTM D5185m | >45 | 2 | | |
| Lead | ppm | ASTM D5185m | >150 | <1 | | |
| Copper | ppm | ASTM D5185m | >100 | 22 | | |
| Tin | ppm | ASTM D5185m | >5 | <1 | | |
| Vanadium | ppm | ASTM D5185m | | 0 | | |
| Cadmium | ppm | ASTM D5185m | | <1 | | |
| ADDITIVES | | method | limit/base | current | history1 | history2 |
| Boron | ppm | ASTM D5185m | 400 | 157 | | |
| Barium | ppm | ASTM D5185m | 200 | 8 | | |
| Molybdenum | ppm | ASTM D5185m | 12 | <1 | | |
| Manganese | ppm | ASTM D5185m | | 1 | | |
| Magnesium | ppm | ASTM D5185m | 12 | 2 | | |
| Calcium | ppm | ASTM D5185m | 150 | 27 | | |
| Phosphorus | ppm | ASTM D5185m | 1650 | 1132 | | |
| Zinc | ppm | ASTM D5185m | 125 | 35 | | |
| Sulfur | ppm | ASTM D5185m | 22500 | 24840 | | |
| CONTAMINANTS | 3 | method | limit/base | current | history1 | history2 |
| Silicon | ppm | ASTM D5185m | | 8 | | |
| Sodium | ppm | ASTM D5185m | | 0 | | |
| Potassium | ppm | ASTM D5185m | | 2 | | |
| VISUAL | | method | limit/base | current | history1 | history2 |
| White Metal | scalar | *Visual | NONE | NONE | | |
| Yellow Metal | scalar | *Visual | NONE | NONE | | |
| Precipitate | scalar | *Visual | NONE | NONE | | |
| Silt | scalar | *Visual | NONE | NONE | | |
| Debris | scalar | *Visual | NONE | NONE | | |
| Sand/Dirt | scalar | *Visual | NONE | NONE | | |
| Appearance | scalar | *Visual | NORML | NORML | | |
| Odor | scalar | *Visual | NORML | NORML | | |
| Emulsified Water | scalar | *Visual | >0.2 | NEG | | |
| Free Water | scalar | *Visual | | NEG | | |

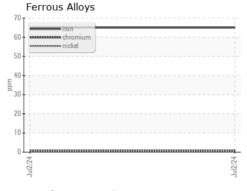


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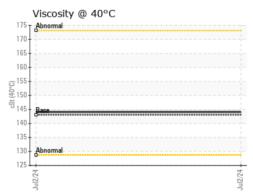


GRAPHS



Non-ferrous Metals









Certificate 12367

Laboratory

Sample No. : WC0919732 Lab Number : 06236542 Unique Number : 11125376

Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 15 Jul 2024 Tested

: 16 Jul 2024 Diagnosed : 16 Jul 2024 - Wes Davis

BARNHART CRANE - BRANCH 030

4015 23RD STREET SW CANTON, OH US 44706

Contact: David Pfeiffer dapfeiffer@barnhartcrane.com

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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