

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL



AMR-Cheyenne 693245 LIEBHERR LH60M 156876 Rear Right Final Drive

LIEBHERR GEAR BASIC 90 LS (--- GAL)

| RECOMMENDATION | |
|---------------------------------------|-------------|
| Resample at the next service interval | to monitor. |

WEAR

All component wear rates are normal.

CONTAMINATION

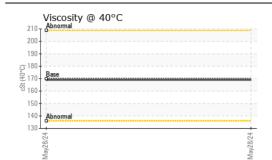
There is no indication of any contamination in the oil.

FLUID CONDITION

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

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|--|--|--|---|---|--------------|----------|
| Sample Number | | Client Info | | DJJ0020054 | | |
| Sample Date | | Client Info | | 28 May 2024 | | |
| Machine Age | hrs | Client Info | | 655 | | |
| Oil Age | hrs | Client Info | | 0 | | |
| Filter Age | hrs | Client Info | | 0 | | |
| Oil Changed | | Client Info | | Changed | | |
| Filter Changed | | Client Info | | N/A | | |
| Sample Status | | | | NORMAL | | |
| | | 40TH DE105 | 050 | | | |
| Iron | ppm | ASTM D5185m | >350 | 22 | | |
| Chromium | ppm | ASTM D5185m | >5 | <1 | | |
| Nickel | ppm | ASTM D5185m | >5 | 0 | | |
| Titanium | ppm | ASTM D5185m | | <1 | | |
| Silver | ppm | ASTM D5185m | | <1 | | |
| Aluminum | ppm | ASTM D5185m | >10 | <1 | | |
| Lead | ppm | ASTM D5185m | >10 | <1 | | |
| Copper | ppm | ASTM D5185m | >125 | 9 | | |
| Tin | ppm | ASTM D5185m | >10 | 0 | | |
| Vanadium | ppm | ASTM D5185m | | <1 | | |
| White Metal | scalar | *Visual | NONE | NONE | | |
| Yellow Metal | scalar | *Visual | NONE | NONE | | |
| Silicon | ppm | ASTM D5185m | >45 | 4 | | |
| Potassium | ppm | ASTM D5185m | >20 | 1 | | |
| Water | | WC Method | >0.2 | NEG | | |
| Silt | agalar | *Visual | NONE | NONE | | |
| | scalar | visuai | | | | |
| Debris | scalar | *Visual | NONE | NONE | | |
| | | | | - | | |
| Debris Sand/Dirt | scalar | *Visual | NONE | NONE | | |
| Debris | scalar scalar | *Visual *Visual | NONE NONE | NONE | | |
| Debris Sand/Dirt Appearance | scalar scalar scalar | *Visual *Visual *Visual | NONE NONE NORML | NONE NONE NORML | | |
| Debris Sand/Dirt Appearance Odor | scalar scalar scalar scalar | *Visual *Visual *Visual *Visual *Visual | NONE NORML NORML | NONE NORML NORML | | |
| Debris Sand/Dirt Appearance Odor | scalar scalar scalar scalar | *Visual *Visual *Visual *Visual *Visual ASTM D5185m | NONE NORML NORML | NONE NORML NORML NEG 3 | | |
| Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron | scalar scalar scalar scalar scalar | *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m | NONE NORML NORML | NONE NORML NORML NEG 3 50 | | |
| Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium | scalar scalar scalar scalar scalar ppm | *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m | NONE NORML NORML >0.2 0 0 | NONE NORML NORML NEG 3 50 315 | | |
| Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron | scalar scalar scalar scalar scalar ppm ppm | *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m | NONE NORML NORML >0.2 0 0 | NONE NORML NORML NEG 3 50 315 0 | | |
| Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese | scalar scalar scalar scalar scalar ppm ppm | *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | NONE NORML NORML >0.2 0 0 0 0 | NONE NORML NORML NEG 3 50 315 0 1 | | |
| Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum | scalar scalar scalar scalar scalar ppm ppm ppm | *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m | NONE NORML NORML >0.2 0 0 0 | NONE NORML NORML NEG 3 50 315 0 | | |
| Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Barium Molybdenum Manganese Magnesium Calcium | scalar scalar scalar scalar ppm ppm ppm ppm | *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | NONE NORML NORML >0.2 0 0 0 0 0 1 4 1 | NONE NORML NORML NEG 3 50 315 0 1 1 1 10 | | |
| Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Barium Molybdenum Manganese Magnesium Calcium Phosphorus | scalar scalar scalar scalar ppm ppm ppm ppm ppm | *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | NONE NORML NORML >0.2 0 0 0 0 0 2 | NONE NORML NORML NEG 3 50 315 0 1 1 | | |
| Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Barium Molybdenum Manganese Magnesium Calcium | scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm | *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | NONE NORML NORML >0.2 0 0 0 0 0 (1 <1 2143 <1 | NONE NORML NORML NEG 3 50 315 0 1 1 1 10 1553 13 | | |
| Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Barium Molybdenum Malybdenum Magnesium Calcium Phosphorus | scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm | *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | NONE NORML >0.2 0 0 0 0 0 1 1 <1 2143 | NONE NORML NORML NEG 3 50 315 0 1 1 1 10 1553 | | |

Contact/Location: BRIAN JACOBS - ADVKANKS



Ferrous Alloys 22 20 nicke 18 16 0 Non-ferrous Metals 10 lead maa Viscosity @ 40°C Abnormal 210 205 200 195 190 185 180 € 00 175 ಸ್ಥ ಸ್ಥ 170 165 160 155 150 145 140 135 Aav28/24 VI = U28

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : DJJ0020054 ۶ġ Lab Number : 06197136 Certificate L2367

Tested : 03 Jun 2024 KANSAS CITY, KS Unique Number : 11059259 Diagnosed : 03 Jun 2024 - Wes Davis US 66105 Test Package : CONST Contact: BRIAN JACOBS BRIAN.JACOBS@ADVANTAGERECYCLING.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. T: (816)808-4711 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

: 31 May 2024

Received

Contact/Location: BRIAN JACOBS - ADVKANKS Page 2 of 2

ADVANTAGE METALS RECYCLING - CHEYENNE

1015 S. PACKARD ST

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