

## [617675 ALTA RENTS] Machine Id VOLVO L70H 624454 Component

Transmission

## VOLVO AUTOMATIC TRANSMISSION FLUID AT102 (--- GAL)

| REC | OMI      | MEN | DAT | ION |
|-----|----------|-----|-----|-----|
|     | <b>U</b> |     |     |     |

No corrective action is recommended at this time. Resample at the next service interval to monitor.

| V | VE | A | R |
|---|----|---|---|
| _ |    |   |   |

The iron level is abnormal. All other component wear rates are normal.

## CONTAMINATION

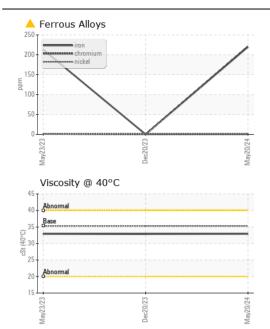
There is no indication of any contamination in the fluid.

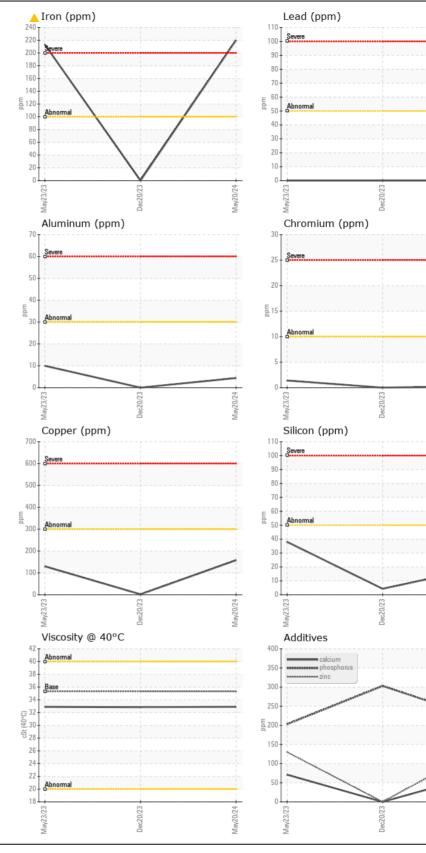
| <b>FLU</b> | $\mathbf{O}$                     |  |  |
|------------|----------------------------------|--|--|
|            |                                  |  |  |
|            | $\mathbf{\overline{\mathbf{U}}}$ |  |  |

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

| Test  | UOM   | Method  | Limit/Abn   | Current  | History1   | History2  |
|---|---|---|---|--|--|---|
| Sample Number   |   | Client Info   |   | VCP449916  | VCP435630  | VCP419343   |
| Sample Date   |   | Client Info   |   | 20 May 2024  | 20 Dec 2023  | 23 May 2023   |
| Machine Age   | hrs   | Client Info   |   | 4170   | 3446   | 2683  |
| Oil Age   | hrs   | Client Info   |   | 0  | 0  | 0   |
| Filter Age  | hrs   | Client Info   |   | 0  | 0  | 0   |
| Oil Changed   |   | Client Info   |   | Not Changd   | Not Changd   | Not Changd  |
| Filter Changed  |   | Client Info   |   | Not Changd   | Not Changd   | Not Changd  |
| Sample Status   |   |   |   | ABNORMAL   | NORMAL   | ABNORMAL  |
|   |   |   | 400   |  |  |   |
| Iron  | ppm   | ASTM D5185m   | >100  | A 220  | 0  | ▲ 213   |
| Chromium  | ppm   | ASTM D5185m   | >10   | <1   | 0  | 1   |
| Nickel  | ppm   | ASTM D5185m   | >10   | 0  | 0  | <1  |
| Titanium  | ppm   | ASTM D5185m   |   | 0  | <1   | <1  |
| Silver  | ppm   | ASTM D5185m   | 00  | 0  | 0  | 0   |
| Aluminum  | ppm   | ASTM D5185m   | >30   | 4  | 0  | 10  |
| Lead  | ppm   | ASTM D5185m   | >50   | 0  | 0  | 0   |
| Copper  | ppm   | ASTM D5185m   | >300  | 158  | 2  | 130   |
| Tin   | ppm   | ASTM D5185m   | >20   | 0  | 0  | 0   |
| Vanadium  | ppm   | ASTM D5185m   |   | 0  | 0  | 0   |
| White Metal   | scalar  | *Visual   | NONE  | NONE   | NONE   | NONE  |
| Yellow Metal  | scalar  | *Visual   | NONE  | NONE   | NONE   | NONE  |
| Silicon   |   |   | 50  | 10   | 4  | ~~~   |
| Shicon  | ppm   | ASTM D5185m   | >50   | 19   | 4  | 38  |
| Potassium   | ppm<br>ppm  | ASTM D5185m   | >50<br>>20  | 0  | 4  | 38  |
|   |   |   |   | -  |  |   |
| Potassium   |   | ASTM D5185m   | >20   | 0  | 2  | 3   |
| Potassium<br>Water  | ppm   | ASTM D5185m<br>WC Method  | >20<br>>0.2   | 0<br>NEG   | 2<br>NEG   | 3<br>NEG  |
| Potassium<br>Water<br>Silt  | ppm<br>scalar   | ASTM D5185m<br>WC Method<br>*Visual   | >20<br>>0.2<br>NONE   | 0<br>NEG<br>NONE   | 2<br>NEG<br>NONE   | 3<br>NEG<br>NONE  |
| Potassium<br>Water<br>Silt<br>Debris  | ppm<br>scalar<br>scalar   | ASTM D5185m<br>WC Method<br>*Visual<br>*Visual  | >20<br>>0.2<br>NONE<br>NONE   | 0<br>NEG<br>NONE<br>NONE   | 2<br>NEG<br>NONE<br>NONE   | 3<br>NEG<br>NONE<br>NONE  |
| Potassium<br>Water<br>Silt<br>Debris<br>Sand/Dirt   | ppm<br>scalar<br>scalar<br>scalar   | ASTM D5185m<br>WC Method<br>*Visual<br>*Visual<br>*Visual   | >20<br>>0.2<br>NONE<br>NONE<br>NONE   | 0<br>NEG<br>NONE<br>NONE   | 2<br>NEG<br>NONE<br>NONE   | 3<br>NEG<br>NONE<br>NONE<br>NORE  |
| Potassium<br>Water<br>Silt<br>Debris<br>Sand/Dirt<br>Appearance   | ppm<br>scalar<br>scalar<br>scalar<br>scalar   | ASTM D5185m<br>WC Method<br>*Visual<br>*Visual<br>*Visual<br>*Visual  | >20<br>>0.2<br>NONE<br>NONE<br>NONE   | 0<br>NEG<br>NONE<br>NONE<br>NONE<br>NORML  | 2<br>NEG<br>NONE<br>NONE<br>NONE<br>NORML  | 3<br>NEG<br>NONE<br>NONE<br>NORE  |
| Potassium<br>Water<br>Silt<br>Debris<br>Sand/Dirt<br>Appearance<br>Odor<br>Emulsified Water   | ppm<br>scalar<br>scalar<br>scalar<br>scalar<br>scalar<br>scalar   | ASTM D5185m<br>WC Method<br>*Visual<br>*Visual<br>*Visual<br>*Visual<br>*Visual<br>*Visual  | >20<br>>0.2<br>NONE<br>NONE<br>NORML<br>NORML   | 0<br>NEG<br>NONE<br>NONE<br>NORML<br>NORML<br>NEG  | 2<br>NEG<br>NONE<br>NONE<br>NORML<br>NORML<br>NEG  | 3<br>NEG<br>NONE<br>NONE<br>NORML<br>NORML<br>NEG   |
| Potassium<br>Water<br>Silt<br>Debris<br>Sand/Dirt<br>Appearance<br>Odor<br>Emulsified Water<br>Sodium   | ppm<br>scalar<br>scalar<br>scalar<br>scalar<br>scalar<br>scalar   | ASTM D5185m<br>WC Method<br>*Visual<br>*Visual<br>*Visual<br>*Visual<br>*Visual<br>*Visual<br>ASTM D5185m   | >20<br>>0.2<br>NONE<br>NONE<br>NORML<br>NORML<br>>0.2   | 0<br>NEG<br>NONE<br>NONE<br>NORML<br>NORML<br>NEG  | 2<br>NEG<br>NONE<br>NONE<br>NORML<br>NORML<br>NEG  | 3<br>NEG<br>NONE<br>NONE<br>NORML<br>NORML<br>NEG<br>5  |
| Potassium<br>Water<br>Silt<br>Debris<br>Sand/Dirt<br>Appearance<br>Odor<br>Emulsified Water<br>Sodium<br>Boron  | ppm<br>scalar<br>scalar<br>scalar<br>scalar<br>scalar<br>scalar<br>ppm  | ASTM D5185m<br>WC Method<br>*Visual<br>*Visual<br>*Visual<br>*Visual<br>*Visual<br>*Visual<br>ASTM D5185m   | >20<br>>0.2<br>NONE<br>NONE<br>NORML<br>>0.2  | 0<br>NEG<br>NONE<br>NONE<br>NORML<br>NORML<br>NEG<br>6<br>32   | 2<br>NEG<br>NONE<br>NONE<br>NORML<br>NORML<br>NEG<br>2<br>0  | 3<br>NEG<br>NONE<br>NONE<br>NORML<br>NORML<br>NEG<br>5<br>26  |
| Potassium<br>Water<br>Silt<br>Debris<br>Sand/Dirt<br>Appearance<br>Odor<br>Emulsified Water<br>Sodium<br>Boron<br>Barium  | ppm<br>scalar<br>scalar<br>scalar<br>scalar<br>scalar<br>scalar<br>ppm<br>ppm                                 | ASTM D5185m<br>WC Method<br>*Visual<br>*Visual<br>*Visual<br>*Visual<br>*Visual<br>*Visual<br>ASTM D5185m<br>ASTM D5185m  | >20<br>>0.2<br>NONE<br>NONE<br>NORML<br>NORML<br>>0.2   | 0<br>NEG<br>NONE<br>NONE<br>NORML<br>NORML<br>NEG<br>6<br>32<br>2                                    | 2<br>NEG<br>NONE<br>NONE<br>NORML<br>NORML<br>NEG<br>2<br>0<br>0   | 3<br>NEG<br>NONE<br>NONE<br>NORML<br>NORML<br>NEG<br>5<br>26<br>0   |
| Potassium<br>Water<br>Silt<br>Debris<br>Sand/Dirt<br>Appearance<br>Odor<br>Emulsified Water<br>Sodium<br>Boron<br>Barium<br>Molybdenum  | ppm<br>scalar<br>scalar<br>scalar<br>scalar<br>scalar<br>ppm<br>ppm<br>ppm                                    | ASTM D5185m<br>WC Method<br>*Visual<br>*Visual<br>*Visual<br>*Visual<br>*Visual<br>ASTM D5185m<br>ASTM D5185m<br>ASTM D5185m  | >20<br>>0.2<br>NONE<br>NORME<br>NORML<br>>0.2<br>187<br>0.0   | 0<br>NEG<br>NONE<br>NONE<br>NORML<br>NORML<br>NEG<br>6<br>32<br>2<br>2<br>3                          | 2<br>NEG<br>NONE<br>NONE<br>NORML<br>NORML<br>NEG<br>2<br>0<br>0<br>0<br>0   | 3<br>NEG<br>NONE<br>NONE<br>NORML<br>NORML<br>NEG<br>5<br>26<br>0   |
| Potassium<br>Water<br>Silt<br>Debris<br>Sand/Dirt<br>Appearance<br>Odor<br>Emulsified Water<br>Sodium<br>Boron<br>Barium<br>Molybdenum<br>Manganese   | ppm<br>scalar<br>scalar<br>scalar<br>scalar<br>scalar<br>ppm<br>ppm<br>ppm<br>ppm                             | ASTM D5185m<br>WC Method<br>*Visual<br>*Visual<br>*Visual<br>*Visual<br>*Visual<br>ASTM D5185m<br>ASTM D5185m<br>ASTM D5185m<br>ASTM D5185m   | >20<br>>0.2<br>NONE<br>NONE<br>NORML<br>>0.2<br>187<br>0.0<br>0.0   | 0<br>NEG<br>NONE<br>NONE<br>NORML<br>NORML<br>NEG<br>6<br>32<br>2<br>2<br>3<br>8                     | 2<br>NEG<br>NONE<br>NONE<br>NORML<br>NORML<br>NEG<br>2<br>0<br>0<br>0<br>0<br>0  | 3<br>NEG<br>NONE<br>NONE<br>NORML<br>NORML<br>NEG<br>5<br>26<br>0<br>1<br>8                               |
| Potassium<br>Water<br>Silt<br>Debris<br>Sand/Dirt<br>Appearance<br>Odor<br>Emulsified Water<br>Sodium<br>Boron<br>Barium<br>Barium<br>Molybdenum<br>Manganese<br>Magnesium  | ppm<br>scalar<br>scalar<br>scalar<br>scalar<br>scalar<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm                      | ASTM D5185m<br>WC Method<br>*Visual<br>*Visual<br>*Visual<br>*Visual<br>*Visual<br>*Visual<br>ASTM D5185m<br>ASTM D5185m<br>ASTM D5185m<br>ASTM D5185m  | >20<br>>0.2<br>NONE<br>NONE<br>NORML<br>NORML<br>>0.2<br>187<br>0.0<br>0.0<br>0.0<br>6.8  | 0<br>NEG<br>NONE<br>NONE<br>NORML<br>NORML<br>NEG<br>6<br>32<br>2<br>3<br>8<br>8<br>7                | 2<br>NEG<br>NONE<br>NONE<br>NORML<br>NORML<br>NEG<br>2<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | 3<br>NEG<br>NONE<br>NONE<br>NORML<br>NORML<br>NEG<br>5<br>26<br>0<br>1<br>1<br>8<br>7                     |
| Potassium<br>Water<br>Silt<br>Debris<br>Sand/Dirt<br>Appearance<br>Odor<br>Emulsified Water<br>Sodium<br>Boron<br>Barium<br>Barium<br>Molybdenum<br>Manganese<br>Magnesium  | ppm<br>scalar<br>scalar<br>scalar<br>scalar<br>scalar<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm                      | ASTM D5185m<br>WC Method<br>*Visual<br>*Visual<br>*Visual<br>*Visual<br>*Visual<br>*Visual<br>ASTM D5185m<br>ASTM D5185m<br>ASTM D5185m<br>ASTM D5185m<br>ASTM D5185m                               | >20<br>>0.2<br>NONE<br>NONE<br>NORML<br>NORML<br>>0.2<br>187<br>0.0<br>0.0<br>0.0<br>6.8<br>215   | 0<br>NEG<br>NONE<br>NONE<br>NORML<br>NORML<br>NEG<br>6<br>32<br>2<br>3<br>8<br>7<br>6<br>9           | 2<br>NEG<br>NONE<br>NONE<br>NORML<br>NORML<br>NEG<br>2<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0      | 3<br>NEG<br>NONE<br>NONE<br>NORML<br>NORML<br>NEG<br>5<br>26<br>0<br>1<br>8<br>7<br>7                     |
| Potassium<br>Water<br>Water<br>Silt<br>Debris<br>Sand/Dirt<br>Appearance<br>Odor<br>Emulsified Water<br>Sodium<br>Boron<br>Barium<br>Barium<br>Molybdenum<br>Manganese<br>Magnesium<br>Calcium                                | ppm<br>scalar<br>scalar<br>scalar<br>scalar<br>scalar<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm        | ASTM D5185m<br>WC Method<br>*Visual<br>*Visual<br>*Visual<br>*Visual<br>*Visual<br>*Visual<br>ASTM D5185m<br>ASTM D5185m<br>ASTM D5185m<br>ASTM D5185m<br>ASTM D5185m<br>ASTM D5185m                | <ul> <li>&gt;20</li> <li>&gt;0.2</li> <li>NONE</li> <li>NORME</li> <li>NORML</li> <li>&gt;0.2</li> <li>187</li> <li>0.0</li> <li>0.0</li> <li>0.0</li> <li>6.8</li> <li>215</li> <li>445</li> </ul> | 0<br>NEG<br>NONE<br>NONE<br>NORML<br>NORML<br>NEG<br>6<br>32<br>2<br>3<br>8<br>7<br>69<br>220        | 2<br>NEG<br>NONE<br>NONE<br>NORML<br>NORML<br>NEG<br>2<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | 3<br>NEG<br>NONE<br>NONE<br>NORML<br>NORML<br>NEG<br>5<br>26<br>0<br>1<br>8<br>7<br>71<br>203             |
| Potassium<br>Water<br>Water<br>Silt<br>Debris<br>Sand/Dirt<br>Appearance<br>Odor<br>Emulsified Water<br>Sodium<br>Boron<br>Barium<br>Boron<br>Barium<br>Malybdenum<br>Manganese<br>Magnesium<br>Calcium<br>Phosphorus<br>Zinc | ppm<br>scalar<br>scalar<br>scalar<br>scalar<br>scalar<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm | ASTM D5185m<br>WC Method<br>*Visual<br>*Visual<br>*Visual<br>*Visual<br>*Visual<br>*Visual<br>ASTM D5185m<br>ASTM D5185m<br>ASTM D5185m<br>ASTM D5185m<br>ASTM D5185m<br>ASTM D5185m<br>ASTM D5185m | >20<br>>0.2<br>NONE<br>NONE<br>NORML<br>NORML<br>>0.2<br>187<br>0.0<br>0.0<br>0.0<br>6.8<br>215<br>445<br>56  | 0<br>NEG<br>NONE<br>NONE<br>NORML<br>NORML<br>NEG<br>6<br>32<br>2<br>3<br>8<br>7<br>69<br>220<br>135 | 2<br>NEG<br>NONE<br>NONE<br>NORML<br>NORML<br>NEG<br>2<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | 3<br>NEG<br>NONE<br>NONE<br>NORML<br>NORML<br>NEG<br>5<br>26<br>0<br>1<br>1<br>8<br>7<br>71<br>203<br>130 |
| Potassium<br>Water<br>Water<br>Silt<br>Debris<br>Sand/Dirt<br>Appearance<br>Odor<br>Emulsified Water<br>Sodium<br>Boron<br>Barium<br>Barium<br>Molybdenum<br>Manganese<br>Magnesium<br>Calcium                                | ppm<br>scalar<br>scalar<br>scalar<br>scalar<br>scalar<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm        | ASTM D5185m<br>WC Method<br>*Visual<br>*Visual<br>*Visual<br>*Visual<br>*Visual<br>*Visual<br>ASTM D5185m<br>ASTM D5185m<br>ASTM D5185m<br>ASTM D5185m<br>ASTM D5185m<br>ASTM D5185m                | <ul> <li>&gt;20</li> <li>&gt;0.2</li> <li>NONE</li> <li>NORME</li> <li>NORML</li> <li>&gt;0.2</li> <li>187</li> <li>0.0</li> <li>0.0</li> <li>0.0</li> <li>6.8</li> <li>215</li> <li>445</li> </ul> | 0<br>NEG<br>NONE<br>NONE<br>NORML<br>NORML<br>NEG<br>6<br>32<br>2<br>3<br>8<br>7<br>69<br>220        | 2<br>NEG<br>NONE<br>NONE<br>NORML<br>NORML<br>NEG<br>2<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | 3<br>NEG<br>NONE<br>NONE<br>NORML<br>NORML<br>NEG<br>5<br>26<br>0<br>1<br>8<br>7<br>7<br>71<br>203        |

Contact/Location: KENNY HANEY - VOLVO0093





ALTA EQUIPMENT/FLAGLER CONSTRUCTION EQUIPMENT LLC Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. Received 8418 PALM RIVER ROAD : VCP449916 : 24 May 2024 Lab Number : 06190844 TAMPA, FL Tested : 29 May 2024 Unique Number : 11047596 : 29 May 2024 - Sean Felton US 33619 Diagnosed Test Package : MOB 1 Contact: KENNY HANEY Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. khaney@flaglerce.com \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (813)630-0077 F: (813)630-2233

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: KENNY HANEY - VOLVO0093

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