

[717836] Machine Id VOLVO L150H 6057 Component

Transmission (Auto)

VOLVO AUTOMATIC TRANSMISSION FLUID AT102 (--- GAL)

RECOMMENDATION

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

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

CONTAMINATION

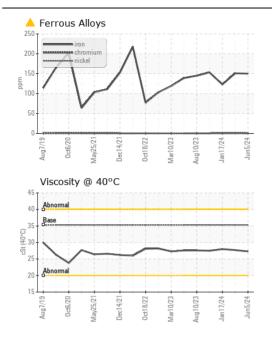
There is no indication of any contamination in the fluid.

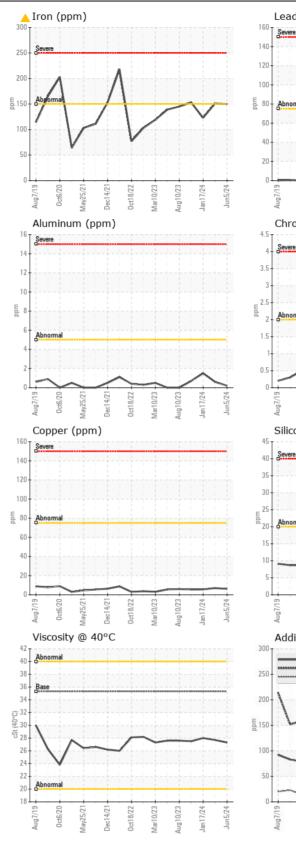
| FLUID | | |
|-------|--|--|
| | | |
| | | |

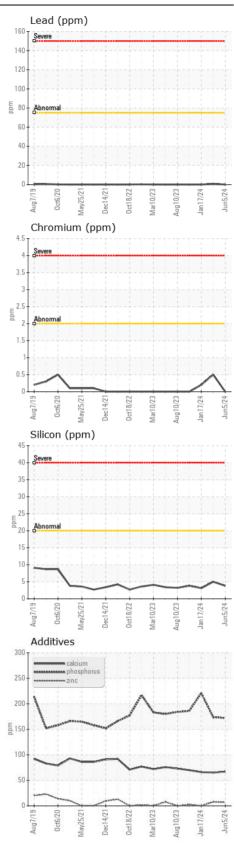
The condition of the fluid is acceptable for the time in service.

| Toot | UOM | Method | Limit/Abn | Current | History1 | History 2 |
|---|---|---|---|--|---|--|
| Test Sample Number | UOIVI | Client Info | LIIIII/AQII | VCP440231 | VCP438338 | History2 VCP452330 |
| Sample Date | | Client Info | | 05 Jun 2024 | 25 Mar 2024 | 17 Jan 2024 |
| Machine Age | hrs | Client Info | | 13128 | 12571 | 12014 |
| Oil Age | hrs | Client Info | | 2000 | 500 | 2000 |
| Filter Age | | Client Info | | 0 | 0 | 0 |
| Ū, | hrs | Client Info | | | | |
| Oil Changed | | | | Changed | Not Changd | Not Changd |
| Filter Changed | | Client Info | | Changed ABNORMAL | Not Changd ABNORMAL | Changed NORMAL |
| Sample Status | | | | | ADINORIVIAL | NORIVIAL |
| Iron | ppm | ASTM D5185m | >150 | 4 150 | 1 51 | 123 |
| Chromium | ppm | ASTM D5185m | >2 | 0 | <1 | <1 |
| Nickel | ppm | ASTM D5185m | >2 | 0 | <1 | 0 |
| Titanium | ppm | ASTM D5185m | >2 | 0 | <1 | <1 |
| Silver | ppm | ASTM D5185m | >5 | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >5 | <1 | <1 | 2 |
| Lead | ppm | ASTM D5185m | >75 | 0 | <1 | 0 |
| Copper | ppm | ASTM D5185m | >75 | 6 | 7 | 6 |
| Tin | ppm | ASTM D5185m | >4 | 0 | <1 | 0 |
| Vanadium | ppm | ASTM D5185m | | 0 | <1 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| | | | | | | |
| Silicon | maa | ASTM D5185m | >20 | 4 | 5 | 3 |
| Silicon Potassium | mqq mqq | | >20 >20 | 4 <1 | 5 2 | 3 |
| | ppm ppm | ASTM D5185m ASTM D5185m WC Method | | - | | |
| Potassium | | ASTM D5185m | >20 | <1 | 2 | 1 |
| Potassium Water | ppm | ASTM D5185m WC Method | >20 >0.1 | <1 NEG | 2 NEG | 1 NEG |
| Potassium Water Silt | ppm scalar | ASTM D5185m WC Method *Visual | >20 >0.1 NONE | <1 NEG NONE | 2 NEG NONE | 1 NEG NONE |
| Potassium Water Silt Debris | ppm scalar scalar | ASTM D5185m WC Method *Visual *Visual | >20 >0.1 NONE NONE | <1 NEG NONE NONE | 2 NEG NONE NONE | 1 NEG NONE NONE |
| Potassium Water Silt Debris Sand/Dirt | ppm scalar scalar scalar | ASTM D5185m WC Method *Visual *Visual *Visual | >20 >0.1 NONE NONE NONE | <1 NEG NONE NONE NONE | 2 NEG NONE NONE | 1 NEG NONE NONE |
| Potassium Water Silt Debris Sand/Dirt Appearance | ppm scalar scalar scalar scalar | ASTM D5185m WC Method *Visual *Visual *Visual *Visual | >20 >0.1 NONE NONE NONE | <1 NEG NONE NONE NONE NORML | 2 NEG NONE NONE NONE NORML | 1 NEG NONE NONE NORML |
| Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water | ppm scalar scalar scalar scalar scalar | ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual | >20 >0.1 NONE NONE NORML NORML | <1 NEG NONE NONE NORML NORML NEG | 2 NEG NONE NONE NONE NORML NORML | 1 NEG NONE NONE NORML NORML |
| Potassium Water Silt Debris Sand/Dirt Appearance Odor | ppm scalar scalar scalar scalar scalar scalar | ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual | >20 >0.1 NONE NONE NORML NORML | <1 NEG NONE NONE NONE NORML NORML | 2 NEG NONE NONE NORML NORML NEG | 1 NEG NONE NONE NORML NORML NEG |
| Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium | ppm scalar scalar scalar scalar scalar | ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m | >20 >0.1 NONE NONE NORML NORML >0.1 | <1 NEG NONE NONE NORML NORML NEG 3 | 2 NEG NONE NONE NORML NORML NEG 0 | 1 NEG NONE NONE NORML NORML NEG 0 |
| Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron | ppm scalar scalar scalar scalar scalar scalar ppm ppm | ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m | >20 >0.1 NONE NONE NORML NORML >0.1 | <1 NEG NONE NONE NORML NORML NEG 3 70 | 2 NEG NONE NONE NORML NORML NEG 0 81 | 1 NEG NONE NONE NORML NORML NEG 0 69 |
| Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium | ppm scalar scalar scalar scalar scalar ppm ppm ppm | ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m | >20 >0.1 NONE NONE NORML NORML >0.1 | <pre><1 NEG NONE NONE NONE NORML NORML NEG 3 70 0</pre> | 2 NEG NONE NONE NORML NORML NEG 0 81 0 | 1 NEG NONE NONE NORML NORML NEG 0 69 10 |
| Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum | ppm scalar scalar scalar scalar scalar scalar ppm ppm | ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m | >20 >0.1 NONE NORME NORML >0.1 187 0.0 | <1 NEG NONE NONE NORML NORML NEG 3 70 0 0 | 2 NEG NONE NONE NORML NORML NEG 0 81 0 <1 | 1 NEG NONE NONE NORML NORML NEG 0 69 10 |
| Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese | ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm | ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | >20 >0.1 NONE NONE NORML >0.1 187 0.0 0.0 0.0 | <1 NEG NONE NONE NORML NORML NEG 3 70 0 0 1 | 2 NEG NONE NONE NORML NORML NEG 0 81 0 <1 2 | 1 NEG NONE NONE NORML NORML NEG 0 69 10 0 69 |
| Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Barium Molybdenum Manganese Magnesium | ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm | ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | >20 >0.1 NONE NONE NORML NORML >0.1 187 0.0 0.0 0.0 6.8 | <1 NEG NONE NONE NORML NORML NEG 3 70 0 0 0 1 1 <1 | 2 NEG NONE NONE NORML NORML NEG 0 81 0 <1 2 1 | 1 NEG NONE NONE NORML NORML NEG 0 69 10 0 <1 (1 <1 |
| Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Barium Malybdenum Manganese Magnesium | ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm | ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | >20 >0.1 NONE NONE NORML NORML >0.1 187 0.0 0.0 0.0 6.8 215 | <1 NEG NONE NONE NORML NORML NORML 0 3 70 0 0 1 <1 67 | 2 NEG NONE NONE NORML NORML NEG 0 81 0 81 0 2 1 2 1 65 | 1 NEG NONE NONE NORML NORML NEG 0 69 10 69 10 0 <1 <1 66 |
| Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium Calcium | ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm | ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | >20 >0.1 NONE NONE NORML >0.1 187 0.0 0.0 0.0 6.8 215 445 | <1 NEG NONE NONE NORML NORML NEG 3 70 0 1 <1 67 172 | 2 NEG NONE NONE NORML NORML NEG 0 81 0 81 0 2 1 2 1 65 174 | 1 NEG NONE NONE NORML NORML NEG 0 69 10 69 10 <1 <1 66 221 |
| Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Barium Malybdenum Manganese Magnesium Calcium Phosphorus | ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm | ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m | >20 >0.1 NONE NONE NORML >0.1 187 0.0 0.0 0.0 6.8 215 245 56 | <1 NEG NONE NONE NORML NORML NORML NORML 0 0 0 1 <1 67 172 7 | 2 NEG NONE NONE NORML NORML NEG 0 81 0 <1 2 1 2 1 65 174 8 | 1 NEG NONE NONE NORML NORML NEG 0 69 10 0 69 10 0 <1 <1 66 221 0 |

Contact/Location: ED WALPOLE - PARPLA









Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 P. Sample No. : VCP440231 Received : 16 Jul 2024 Lab Number : 06238275 Tested : 17 Jul 2024 Unique Number : 11127109 Diagnosed : 18 Jul 2024 - Sean Felton Test Package : MOB 1 To discuss this sample report, contact Customer Service at 1-800-237-1369.

PARAGON DEVELOPMENT GROUP 402 N FRONTAGE RD PLANT CITY, FL US 33563 Contact: ED WALPOLE edwiv@pdgpc.com

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

Contact/Location: ED WALPOLE - PARPLA Page 2 of 2

^{* -} Denotes test methods that are outside of the ISO 17025 scope of accreditation.