



| | |
|-----------------|---------------|
| WEAR | NORMAL |
| CONTAMINATION | NORMAL |
| FLUID CONDITION | NORMAL |



Machine Id
VOLVO L70H 622991
Component
Transmission (Auto)
Fluid
VOLVO AT 102 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | ML0001465 | VCP405031 | VCP283797 |
| Sample Date | | Client Info | | 16 Apr 2024 | 22 Mar 2023 | 04 Aug 2020 |
| Machine Age | hrs | Client Info | | 11074 | 9484 | 4217 |
| Oil Age | hrs | Client Info | | 1590 | 0 | 0 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Changed | Changed | Not Changd |
| Filter Changed | | Client Info | | Changed | Changed | Not Changd |
| Sample Status | | | | NORMAL | ABNORMAL | ABNORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|-------|------|
| Iron | ppm | ASTM D5185m | >160 | 25 | 78 | 58 |
| Chromium | ppm | ASTM D5185m | >5 | <1 | <1 | <1 |
| Nickel | ppm | ASTM D5185m | >5 | <1 | 0 | <1 |
| Titanium | ppm | ASTM D5185m | | <1 | 0 | 0 |
| Silver | ppm | ASTM D5185m | >5 | <1 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >50 | 1 | 1 | <1 |
| Lead | ppm | ASTM D5185m | >50 | <1 | 0 | <1 |
| Copper | ppm | ASTM D5185m | >225 | 5 | 11 | 16 |
| Tin | ppm | ASTM D5185m | >10 | <1 | 0 | <1 |
| Vanadium | ppm | ASTM D5185m | | <1 | 0 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | LIGHT | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

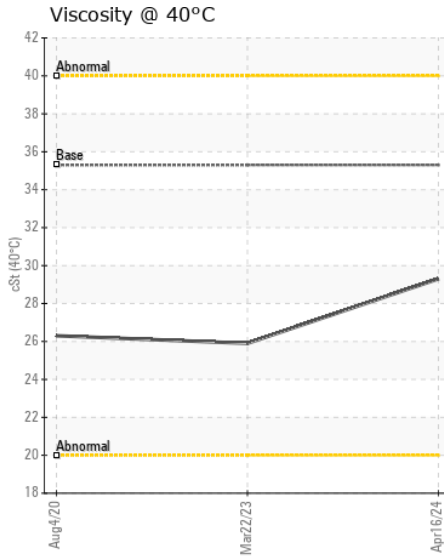
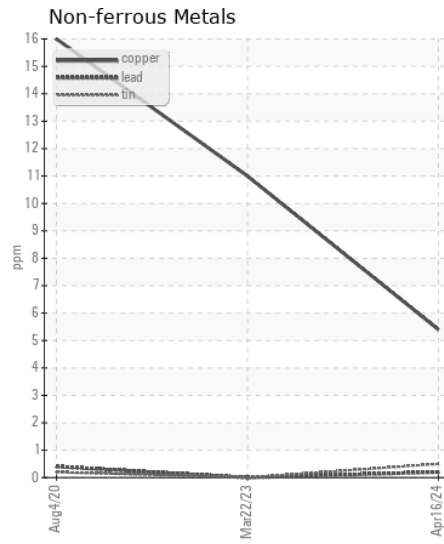
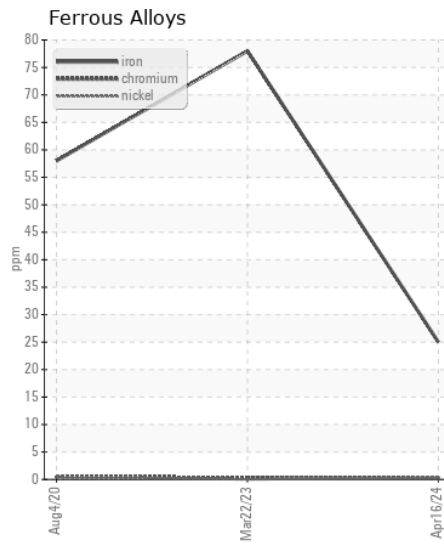
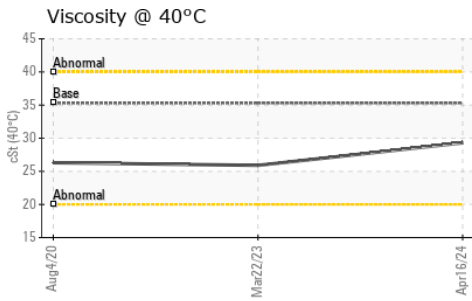
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|---------|---------|
| Silicon | ppm | ASTM D5185m | >20 | 5 | 12 | 14 |
| Potassium | ppm | ASTM D5185m | >20 | 2 | <1 | 2 |
| Water | | WC Method | >0.1 | NEG | NEG | NEG |
| Silt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Debris | scalar | *Visual | NONE | NONE | ▲ MODER | ▲ MODER |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Appearance | scalar | *Visual | NORML | NORML | NORML | NORML |
| Odor | scalar | *Visual | NORML | NORML | NORML | NORML |
| Emulsified Water | scalar | *Visual | >0.1 | NEG | NEG | NEG |

FLUID CONDITION

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

| | | | | | | |
|-------------|-----|-------------|------|--------------|------|------|
| Sodium | ppm | ASTM D5185m | | 3 | 7 | 7 |
| Boron | ppm | ASTM D5185m | 187 | 79 | 60 | 50 |
| Barium | ppm | ASTM D5185m | 0.0 | 0 | <1 | 2 |
| Molybdenum | ppm | ASTM D5185m | 0.0 | <1 | <1 | <1 |
| Manganese | ppm | ASTM D5185m | 0.0 | <1 | 4 | 7 |
| Magnesium | ppm | ASTM D5185m | 6.8 | 1 | <1 | <1 |
| Calcium | ppm | ASTM D5185m | 215 | 102 | 114 | 109 |
| Phosphorus | ppm | ASTM D5185m | 445 | 204 | 210 | 159 |
| Zinc | ppm | ASTM D5185m | 56 | 8 | 36 | 45 |
| Sulfur | ppm | ASTM D5185m | 1336 | 1839 | 2133 | 1952 |
| Visc @ 40°C | cSt | ASTM D445 | 35.3 | 29.3 | 25.9 | 26.3 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ML0001465
Lab Number : 06154988
Unique Number : 10990411
Test Package : CONST

Received : 19 Apr 2024
Tested : 22 Apr 2024
Diagnosed : 24 Apr 2024 - Jonathan Hester

MCCLUNG-LOGAN EQUIPMENT CO - RICHMOND
 1345 MOUNTAIN ROAD
 GLEN ALLEN, VA
 US 23060
 Contact: KYLE RATLIFFE
 KRATLIFFE@MCCLUNG-LOGAN.COM
 T:
 F: (804)266-1611

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)