



VOLVO

OIL ANALYSIS REPORT

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

Area

[8-405377]

Machine Id

633131

Component

Transmission (Auto)

Fluid

VOLVO AUTOMATIC TRANSMISSION FLUID AT102 (--- GAL)



RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|----------|
| Sample Number | | Client Info | | VCP450483 | VCP381746 | --- |
| Sample Date | | Client Info | | 23 May 2024 | 22 Mar 2023 | --- |
| Machine Age | hrs | Client Info | | 1486 | 536 | --- |
| Oil Age | hrs | Client Info | | 500 | 500 | --- |
| Filter Age | hrs | Client Info | | 0 | 0 | --- |
| Oil Changed | | Client Info | | Changed | Not Changd | --- |
| Filter Changed | | Client Info | | N/A | N/A | --- |
| Sample Status | | | | NORMAL | NORMAL | --- |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|---------------|------|--------------|------|-----|
| Iron | ppm | ASTM D5185(m) | >160 | 38 | 28 | --- |
| Chromium | ppm | ASTM D5185(m) | >5 | 0 | 0 | --- |
| Nickel | ppm | ASTM D5185(m) | >5 | <1 | <1 | --- |
| Titanium | ppm | ASTM D5185(m) | | 0 | 0 | --- |
| Silver | ppm | ASTM D5185(m) | >5 | 0 | 0 | --- |
| Aluminum | ppm | ASTM D5185(m) | >50 | 3 | 2 | --- |
| Lead | ppm | ASTM D5185(m) | >50 | 0 | 0 | --- |
| Copper | ppm | ASTM D5185(m) | >225 | 5 | 3 | --- |
| Tin | ppm | ASTM D5185(m) | >10 | 0 | 0 | --- |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | --- |
| White Metal | scalar | Visual* | NONE | NONE | NONE | --- |
| Yellow Metal | scalar | Visual* | NONE | NONE | NONE | --- |

CONTAMINATION

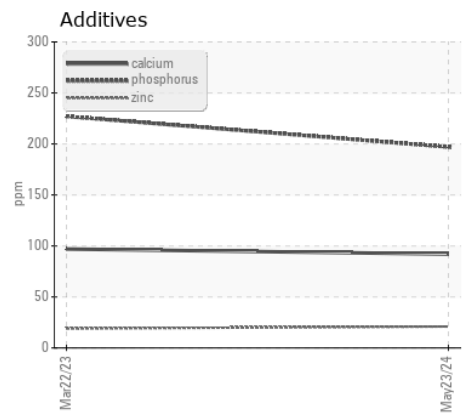
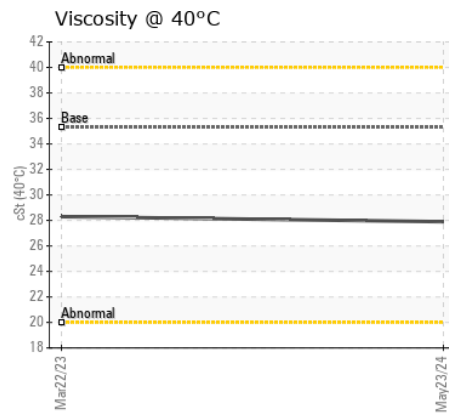
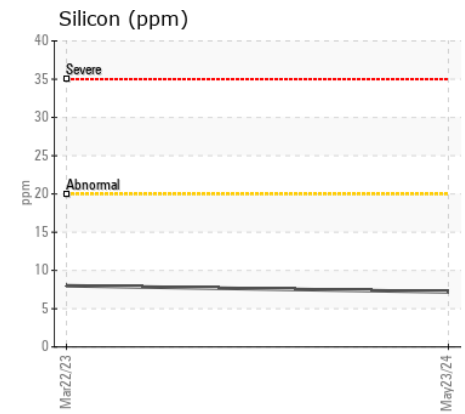
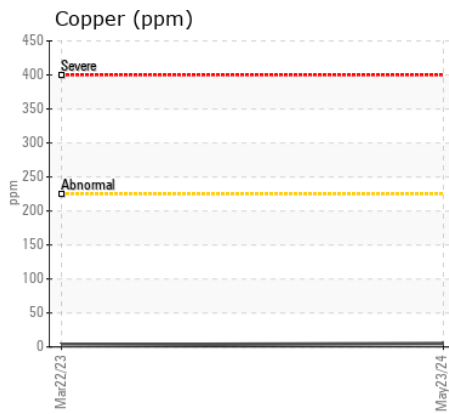
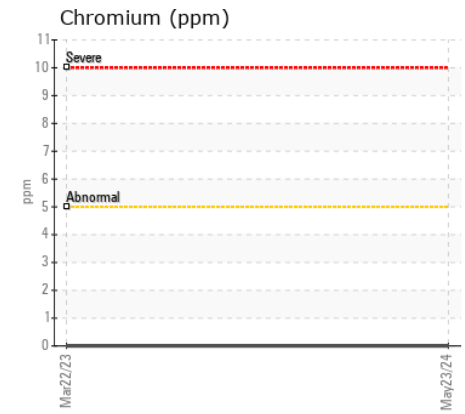
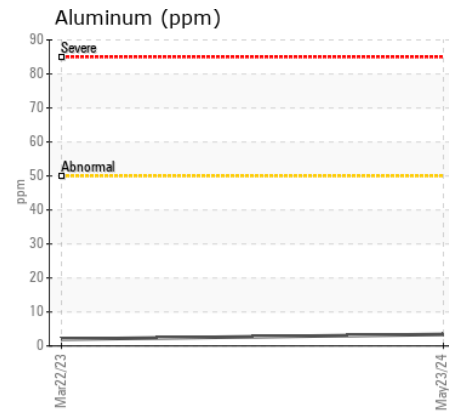
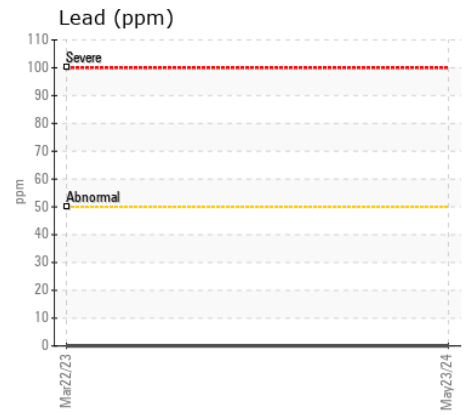
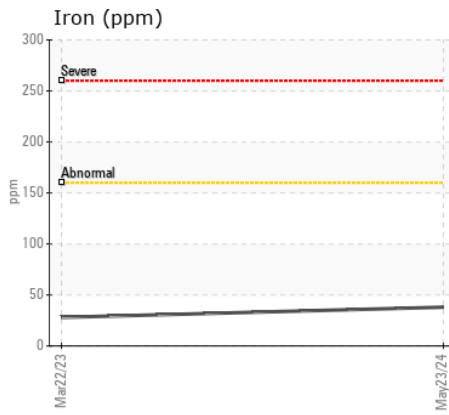
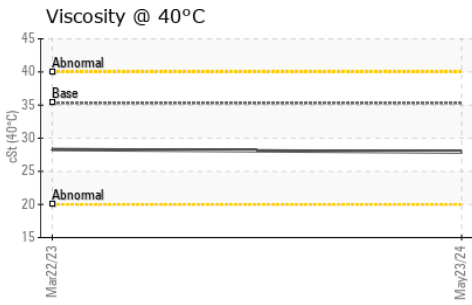
There is no indication of any contamination in the fluid.

| | | | | | | |
|------------------|--------|---------------|-------|--------------|-------|-----|
| Silicon | ppm | ASTM D5185(m) | >20 | 7 | 8 | --- |
| Potassium | ppm | ASTM D5185(m) | >20 | 1 | 1 | --- |
| Water | | WC Method | >0.1 | NEG | NEG | --- |
| Silt | scalar | Visual* | NONE | NONE | NONE | --- |
| Debris | scalar | Visual* | NONE | NONE | NONE | --- |
| Sand/Dirt | scalar | Visual* | NONE | NONE | NONE | --- |
| Appearance | scalar | Visual* | NORML | NORML | NORML | --- |
| Odor | scalar | Visual* | NORML | NORML | NORML | --- |
| Emulsified Water | scalar | Visual* | >0.1 | NEG | NEG | --- |

FLUID CONDITION

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

| | | | | | | |
|-------------|-----|---------------|------|-------------|------|-----|
| Sodium | ppm | ASTM D5185(m) | | 3 | 3 | --- |
| Boron | ppm | ASTM D5185(m) | 187 | 74 | 79 | --- |
| Barium | ppm | ASTM D5185(m) | 0.0 | 4 | 4 | --- |
| Molybdenum | ppm | ASTM D5185(m) | 0.0 | 0 | <1 | --- |
| Manganese | ppm | ASTM D5185(m) | 0.0 | 4 | 4 | --- |
| Magnesium | ppm | ASTM D5185(m) | 6.8 | 3 | 2 | --- |
| Calcium | ppm | ASTM D5185(m) | 215 | 92 | 97 | --- |
| Phosphorus | ppm | ASTM D5185(m) | 445 | 197 | 227 | --- |
| Zinc | ppm | ASTM D5185(m) | 56 | 21 | 19 | --- |
| Sulfur | ppm | ASTM D5185(m) | 1336 | 1537 | 1636 | --- |
| Visc @ 40°C | cSt | ASTM D7279(m) | 35.3 | 27.9 | 28.3 | --- |



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : VCP450483 **Received** : 31 May 2024
Lab Number : 02639206 **Tested** : 31 May 2024
Unique Number : 5788368 **Diagnosed** : 31 May 2024 - Wes Davis
Test Package : MOB 1

CRH CANADA GROUP INC.
 P.O. BOX 5400
 CONCORD, ON
 CA L4K 1B6
 Contact: Tim Visser
 tvisser@strongco.com

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.

T:
F: