



VOLVO

OIL ANALYSIS REPORT

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



Area
[8000394672]
Machine Id
VOLVO L60H 621575
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 | | VCP394225 | VCP391758 | VCP352635 |
| Sample Date | | Client Info | | 13 Feb 2024 | 02 Jun 2023 | 19 Oct 2022 |
| Machine Age | hrs | Client Info | | 7050 | 6320 | 5699 |
| Oil Age | hrs | Client Info | | 730 | 2223 | 1602 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Not Changed | Changed | Not Changed |
| Filter Changed | | Client Info | | Not Changed | Changed | Not Changed |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|---------------|------|--------------|------|------|
| Iron | ppm | ASTM D5185(m) | >160 | 21 | 24 | 19 |
| Chromium | ppm | ASTM D5185(m) | >5 | 0 | 0 | 0 |
| Nickel | ppm | ASTM D5185(m) | >5 | <1 | <1 | 0 |
| Titanium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| Silver | ppm | ASTM D5185(m) | >5 | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185(m) | >50 | 2 | 1 | 1 |
| Lead | ppm | ASTM D5185(m) | >50 | 0 | 0 | 0 |
| Copper | ppm | ASTM D5185(m) | >225 | 5 | 4 | 3 |
| Tin | ppm | ASTM D5185(m) | >10 | 0 | 0 | 0 |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| White Metal | scalar | Visual* | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | Visual* | NONE | NONE | NONE | NONE |

CONTAMINATION

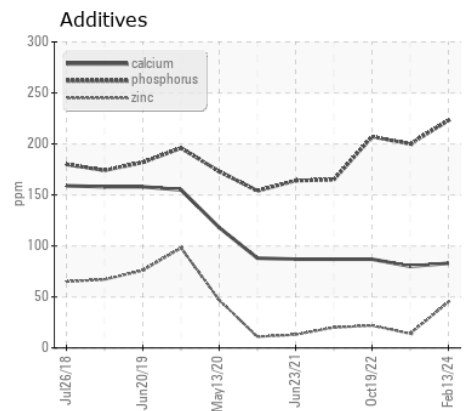
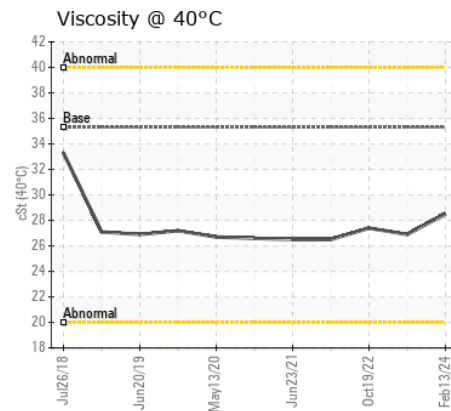
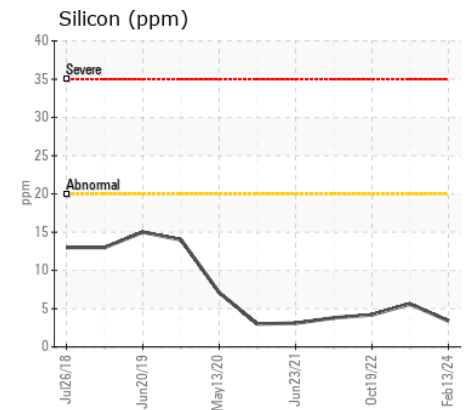
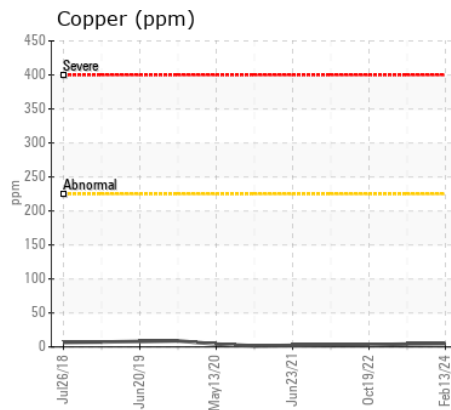
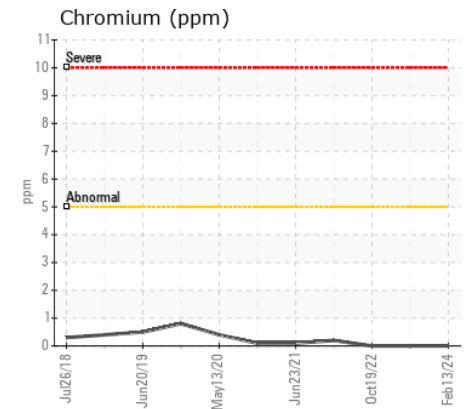
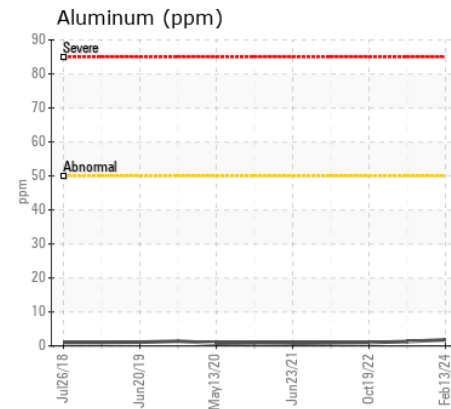
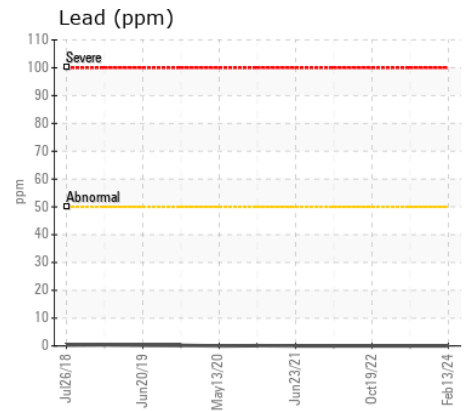
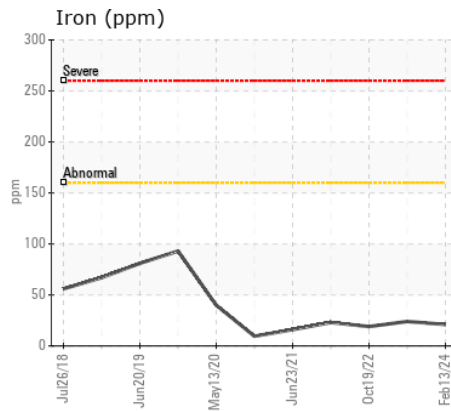
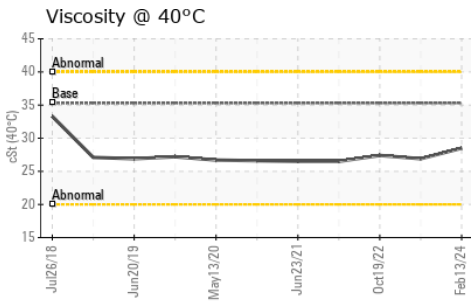
There is no indication of any contamination in the fluid.

| | | | | | | |
|------------------|--------|---------------|-------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185(m) | >20 | 3 | 6 | 4 |
| Potassium | ppm | ASTM D5185(m) | >20 | 2 | 3 | <1 |
| Water | | WC Method | >0.1 | NEG | NEG | NEG |
| Silt | scalar | Visual* | NONE | NONE | NONE | NONE |
| Debris | scalar | Visual* | NONE | NONE | NONE | NONE |
| Sand/Dirt | scalar | Visual* | NONE | VLITE | 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 fluid is acceptable for the time in service.

| | | | | | | |
|-------------|-----|---------------|------|--------------|------|------|
| Sodium | ppm | ASTM D5185(m) | | 3 | 4 | 3 |
| Boron | ppm | ASTM D5185(m) | 187 | 79 | 73 | 74 |
| Barium | ppm | ASTM D5185(m) | 0.0 | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185(m) | 0.0 | 0 | 0 | 0 |
| Manganese | ppm | ASTM D5185(m) | 0.0 | <1 | 1 | 1 |
| Magnesium | ppm | ASTM D5185(m) | 6.8 | 2 | <1 | <1 |
| Calcium | ppm | ASTM D5185(m) | 215 | 83 | 80 | 87 |
| Phosphorus | ppm | ASTM D5185(m) | 445 | 223 | 200 | 207 |
| Zinc | ppm | ASTM D5185(m) | 56 | 45 | 14 | 22 |
| Sulfur | ppm | ASTM D5185(m) | 1336 | 1204 | 1511 | 1586 |
| Visc @ 40°C | cSt | ASTM D7279(m) | 35.3 | 28.5 | 26.9 | 27.4 |



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : VCP394225 **Received** : 20 Feb 2024
Lab Number : 02616718 **Tested** : 20 Feb 2024
Unique Number : 5733828 **Diagnosed** : 20 Feb 2024 - Wes Davis
Test Package : MOB 1

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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.