



VOLVO

OIL ANALYSIS REPORT

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



Area
[8000395483]
Machine Id
VOLVO L120H 632718
Component
Transmission (Auto)
Fluid
VOLVO AUTOMATIC TRANSMISSION FLUID AT102 (--- GAL)

RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill.
Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|-------------|-------------|-------------|
| Sample Number | | Client Info | | VCP394564 | VCP391969 | VCP332700 |
| Sample Date | | Client Info | | 23 Feb 2024 | 24 Apr 2023 | 31 Aug 2022 |
| Machine Age | hrs | Client Info | | 13026 | 8229 | 4837 |
| Oil Age | hrs | Client Info | | 0 | 0 | 3800 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Not Changed | Changed | Changed |
| Filter Changed | | Client Info | | Not Changed | Changed | Changed |
| Sample Status | | | | ATTENTION | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|---------------|------|------|------|------|
| Iron | ppm | ASTM D5185(m) | >160 | 38 | 33 | 68 |
| Chromium | ppm | ASTM D5185(m) | >5 | <1 | 0 | <1 |
| Nickel | ppm | ASTM D5185(m) | >5 | <1 | 0 | 0 |
| Titanium | ppm | ASTM D5185(m) | | 0 | 0 | 0 |
| Silver | ppm | ASTM D5185(m) | >5 | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185(m) | >50 | 6 | 3 | 4 |
| Lead | ppm | ASTM D5185(m) | >50 | 2 | 0 | <1 |
| Copper | ppm | ASTM D5185(m) | >225 | 84 | 6 | 10 |
| 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

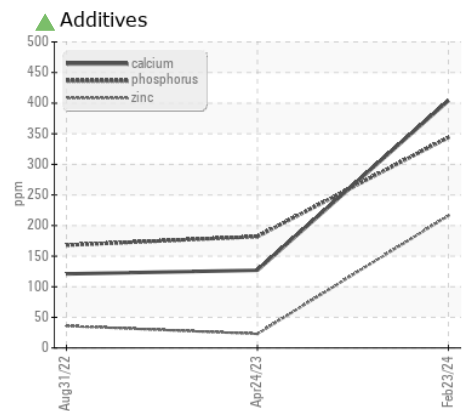
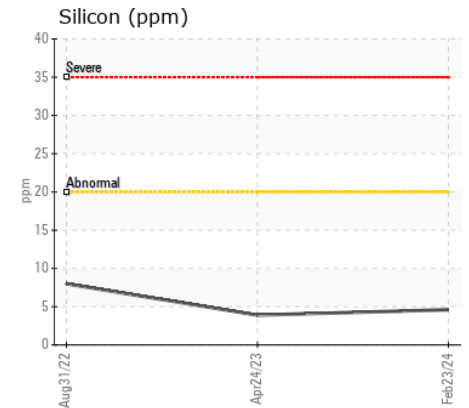
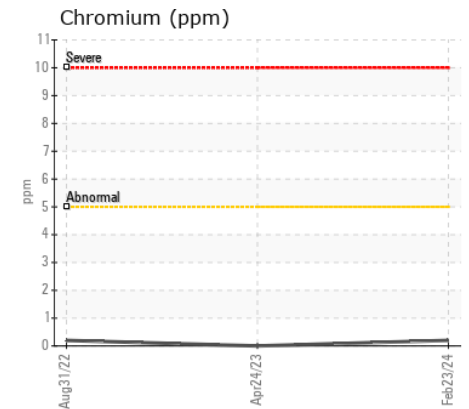
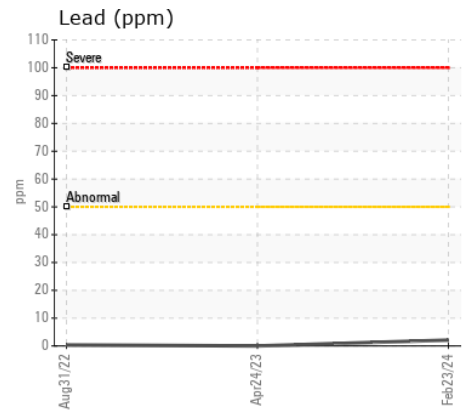
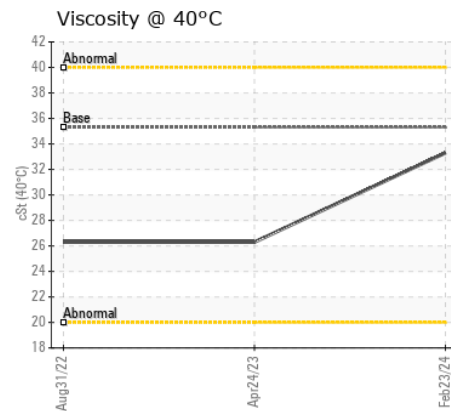
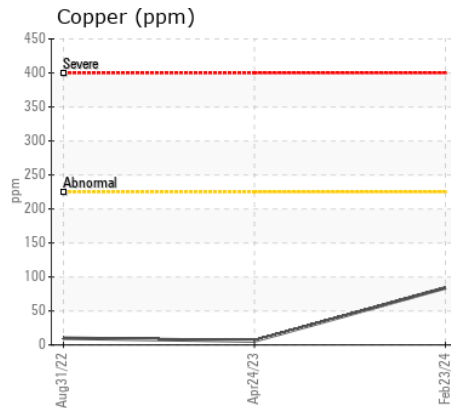
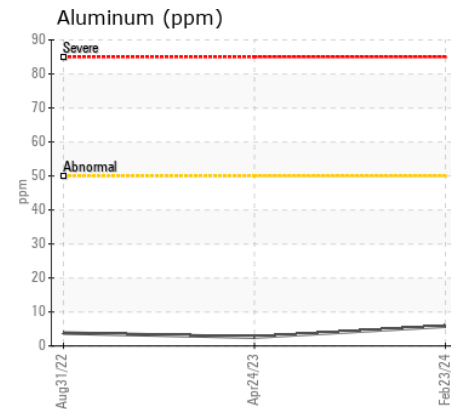
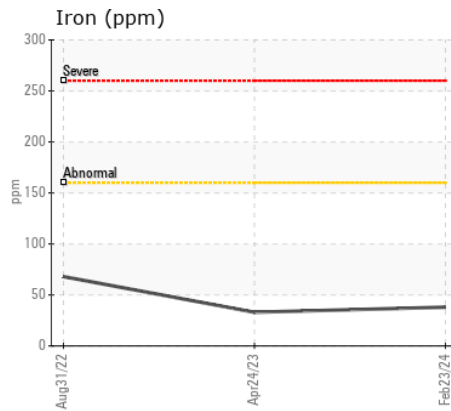
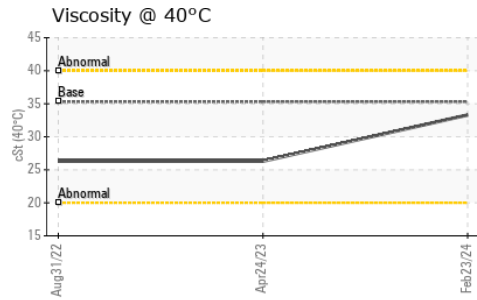
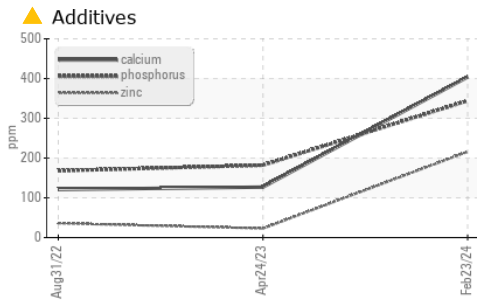
There is no indication of any contamination in the fluid.

| | | | | | | |
|------------------|--------|---------------|-------|-------|-------|-------|
| Silicon | ppm | ASTM D5185(m) | >20 | 5 | 4 | 8 |
| Potassium | ppm | ASTM D5185(m) | >20 | 2 | 0 | 2 |
| 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 | 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

Additive levels indicate the addition of a different brand, or type of fluid.
The condition of the fluid is acceptable for the time in service.

| | | | | | | |
|-------------|-----|---------------|------|--------|------|------|
| Sodium | ppm | ASTM D5185(m) | | 1 | 2 | 5 |
| Boron | ppm | ASTM D5185(m) | 187 | 73 | 64 | 51 |
| Barium | ppm | ASTM D5185(m) | 0.0 | 0 | <1 | 4 |
| Molybdenum | ppm | ASTM D5185(m) | 0.0 | 8 | <1 | <1 |
| Manganese | ppm | ASTM D5185(m) | 0.0 | <1 | 1 | 5 |
| Magnesium | ppm | ASTM D5185(m) | 6.8 | ▲ 103 | 2 | 5 |
| Calcium | ppm | ASTM D5185(m) | 215 | ▲ 404 | 127 | 121 |
| Phosphorus | ppm | ASTM D5185(m) | 445 | 344 | 182 | 168 |
| Zinc | ppm | ASTM D5185(m) | 56 | ▲ 216 | 23 | 36 |
| Sulfur | ppm | ASTM D5185(m) | 1336 | ▲ 1959 | 1672 | 1631 |
| Visc @ 40°C | cSt | ASTM D7279(m) | 35.3 | 33.3 | 26.3 | 26.3 |



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : VCP394564 **Received** : 27 Feb 2024
Lab Number : 02618432 **Tested** : 27 Feb 2024
Unique Number : 5735542 **Diagnosed** : 28 Feb 2024 - Kevin Marson
Test Package : MOB 1

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.

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