MOBIL

VOLVO

# OIL ANALYSIS REPORT

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

Area
## [SPM717176 RENTALS]
Machine Id
## VOLVO L70H 624047
Component
## Transmission (Auto)
Fluid
## VOLVO AUTOMATIC TRANSMISSION FLUID AT102 (--- GAL)

## RECOMMENDATION

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

## WEAR

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

## CONTAMINATION

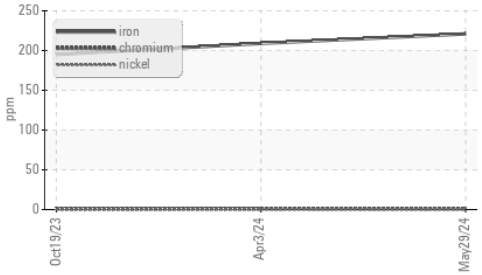
There is no indication of any contamination in the fluid.

## FLUID CONDITION

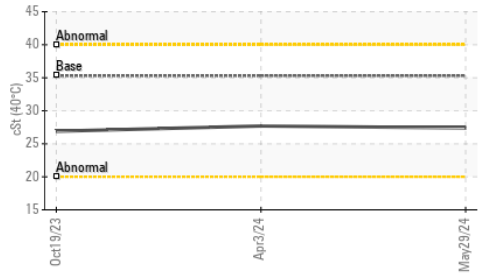
The condition of the fluid is acceptable for the time in service.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|---|---|---|---|---|---|---|
| Sample Number | | Client Info | | VCP438599 | VCP427005 | VCP425298 |
| Sample Date | | Client Info | | 29 May 2024 | 03 Apr 2024 | 19 Oct 2023 |
| Machine Age | hrs | Client Info | | 3021 | 2822 | 1920 |
| Oil Age | hrs | Client Info | | 0 | 0 | 0 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Changed | Not Changd | Not Changd |
| Filter Changed | | Client Info | | Changed | Not Changd | Not Changd |
| Sample Status | | | | ABNORMAL | ABNORMAL | ABNORMAL |
| Iron | ppm | ASTM D5185m | >160 | ▲ 221 | ▲ 209 | ▲ 195 |
| Chromium | ppm | ASTM D5185m | >5 | <1 | <1 | <1 |
| Nickel | ppm | ASTM D5185m | >5 | <1 | <1 | <1 |
| Titanium | ppm | ASTM D5185m | | <1 | <1 | 0 |
| Silver | ppm | ASTM D5185m | >5 | 0 | <1 | 0 |
| Aluminum | ppm | ASTM D5185m | >50 | 2 | 2 | 1 |
| Lead | ppm | ASTM D5185m | >50 | 0 | <1 | <1 |
| Copper | ppm | ASTM D5185m | >225 | 7 | 7 | 6 |
| Tin | ppm | ASTM D5185m | >10 | 0 | <1 | <1 |
| Vanadium | ppm | ASTM D5185m | | <1 | <1 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Silicon | ppm | ASTM D5185m | >20 | 11 | 11 | 11 |
| Potassium | ppm | ASTM D5185m | >20 | 3 | 4 | 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 |
| Sodium | ppm | ASTM D5185m | | 4 | 5 | 4 |
| Boron | ppm | ASTM D5185m | 187 | 53 | 50 | 51 |
| Barium | ppm | ASTM D5185m | 0.0 | 2 | 0 | <1 |
| Molybdenum | ppm | ASTM D5185m | 0.0 | 3 | 2 | <1 |
| Manganese | ppm | ASTM D5185m | 0.0 | 11 | 11 | 11 |
| Magnesium | ppm | ASTM D5185m | 6.8 | 37 | 33 | 28 |
| Calcium | ppm | ASTM D5185m | 215 | 147 | 148 | 123 |
| Phosphorus | ppm | ASTM D5185m | 445 | 237 | 219 | 187 |
| Zinc | ppm | ASTM D5185m | 56 | 94 | 90 | 51 |
| Sulfur | ppm | ASTM D5185m | 1336 | 1753 | 1796 | 1732 |
| Visc @ 40°C | cSt | ASTM D445 | 35.3 | 27.4 | 27.7 | 26.9 |

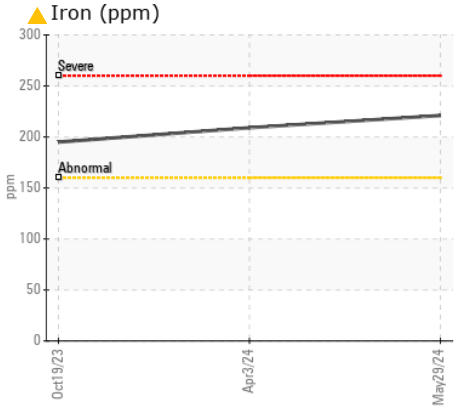
Ferrous Alloys



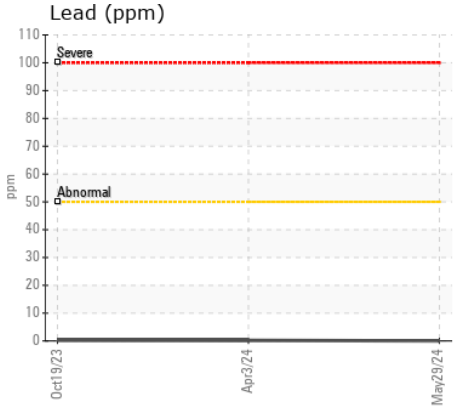

Viscosity @ 40°C



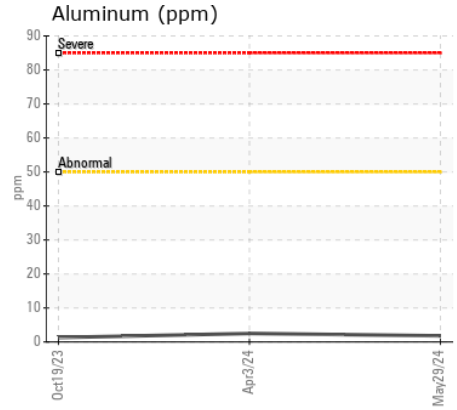

Iron (ppm)



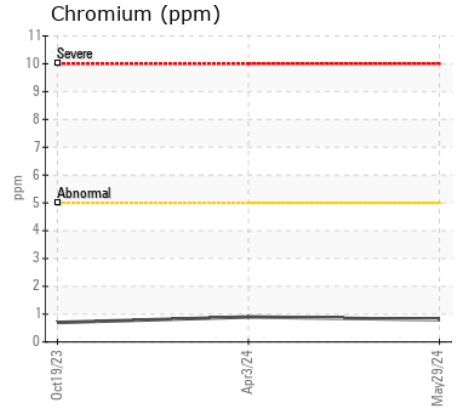

Lead (ppm)



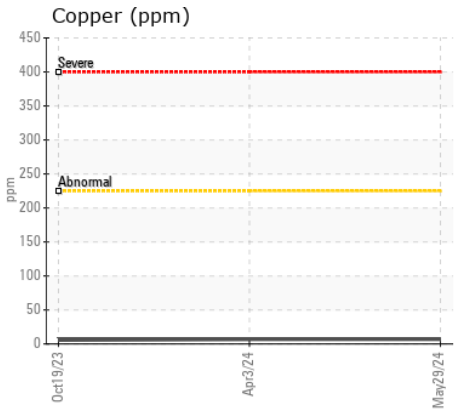

Aluminum (ppm)



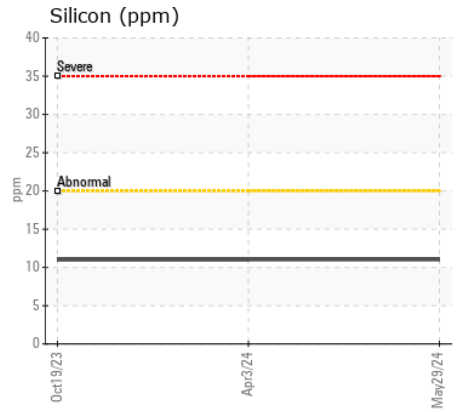

Chromium (ppm)



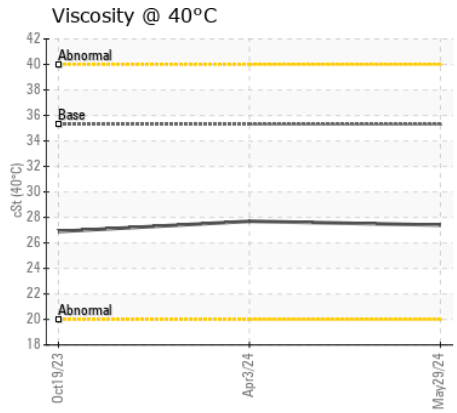

Copper (ppm)



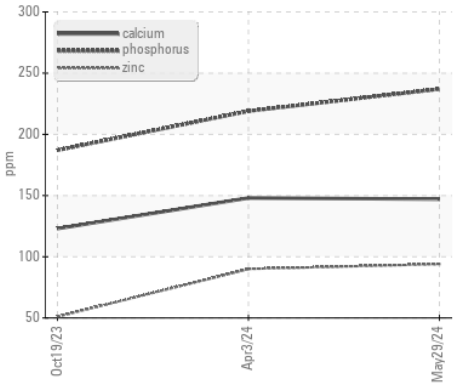

Silicon (ppm)




Viscosity @ 40°C




Additives




Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513
**Sample No.** : VCP438599
**Lab Number** : 06212214
**Unique Number** : 11085078
**Test Package** : MOB 1

**Received** : 17 Jun 2024
**Tested** : 19 Jun 2024
**Diagnosed** : 19 Jun 2024 - Don Baldridge

*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)*

**ALTA EQUIPMENT CO - ORLAND PARK**
5000 INDUSTRIAL HWY
GARY, IN
US 46406
Contact: DAVE ENG
DAVE.ENG@ALTG.COM
T: (312)350-2560
F: