MOB I

VOLVO

# OIL ANALYSIS REPORT

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

Area
**[26069]**
Machine Id
**VOLVO L120H 632990**
Component
**Rear Axle**
Fluid
**VOLVO WB 102 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

## WEAR

All component wear rates are normal.

## CONTAMINATION

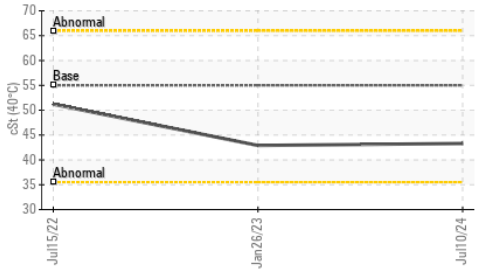
There is no indication of any contamination in the oil.

## FLUID CONDITION

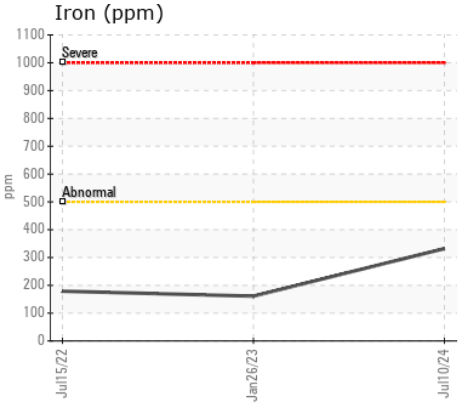
The condition of the oil is acceptable for the time in service.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|---|---|---|---|---|---|---|
| Sample Number | | Client Info | | **VCP453697** | VCP384006 | VCP340388 |
| Sample Date | | Client Info | | **10 Jul 2024** | 26 Jan 2023 | 15 Jul 2022 |
| Machine Age | hrs | Client Info | | **5174** | 2518 | 1246 |
| Oil Age | hrs | Client Info | | **0** | 1000 | 0 |
| Filter Age | hrs | Client Info | | **0** | 0 | 0 |
| Oil Changed | | Client Info | | **Changed** | Not Changd | Changed |
| Filter Changed | | Client Info | | **Changed** | Not Changd | N/A |
| Sample Status | | | | **NORMAL** | NORMAL | NORMAL |
| Iron | ppm | ASTM D5185m | >500 | **332** | 161 | 179 |
| Chromium | ppm | ASTM D5185m | >20 | **3** | 3 | 4 |
| Nickel | ppm | ASTM D5185m | >10 | **1** | <1 | <1 |
| Titanium | ppm | ASTM D5185m | | **0** | <1 | 0 |
| Silver | ppm | ASTM D5185m | | **0** | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >30 | **3** | 2 | 2 |
| Lead | ppm | ASTM D5185m | >50 | **0** | <1 | <1 |
| Copper | ppm | ASTM D5185m | >120 | **<1** | 3 | <1 |
| Tin | ppm | ASTM D5185m | >20 | **0** | 0 | <1 |
| Vanadium | ppm | ASTM D5185m | | **0** | 0 | 0 |
| White Metal | scalar | *Visual | NONE | **NONE** | MODER | LIGHT |
| Yellow Metal | scalar | *Visual | NONE | **NONE** | NONE | NONE |
| Silicon | ppm | ASTM D5185m | >50 | **22** | 13 | 16 |
| Potassium | ppm | ASTM D5185m | >20 | **2** | 2 | 0 |
| Water | | WC Method | >0.2 | **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 | >0.2 | **NEG** | NEG | NEG |
| Sodium | ppm | ASTM D5185m | | **<1** | 2 | 4 |
| Boron | ppm | ASTM D5185m | | **158** | 30 | 111 |
| Barium | ppm | ASTM D5185m | | **0** | <1 | 0 |
| Molybdenum | ppm | ASTM D5185m | | **<1** | 2 | 5 |
| Manganese | ppm | ASTM D5185m | | **3** | 3 | 6 |
| Magnesium | ppm | ASTM D5185m | | **18** | 9 | 20 |
| Calcium | ppm | ASTM D5185m | | **4268** | 909 | 3608 |
| Phosphorus | ppm | ASTM D5185m | | **1209** | 529 | 1132 |
| Zinc | ppm | ASTM D5185m | | **1793** | 682 | 1489 |
| Sulfur | ppm | ASTM D5185m | | **4744** | 3033 | 4401 |
| Visc @ 40°C | cSt | ASTM D445 | 55 | **43.3** | 42.9 | 51.2 |

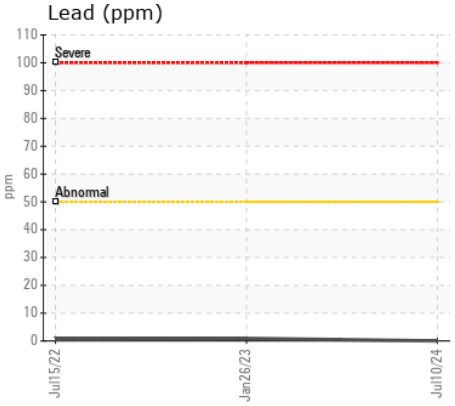
Viscosity @ 40°C



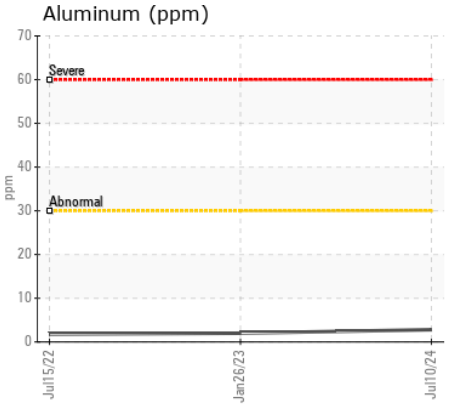

Iron (ppm)



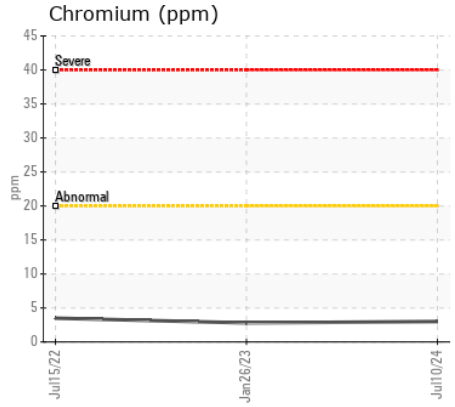

Lead (ppm)



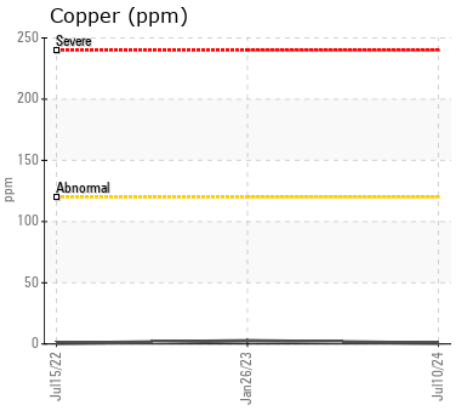

Aluminum (ppm)



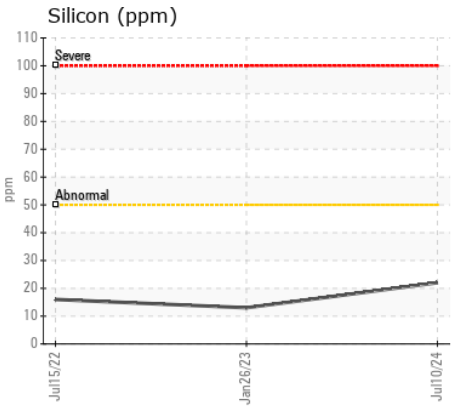

Chromium (ppm)



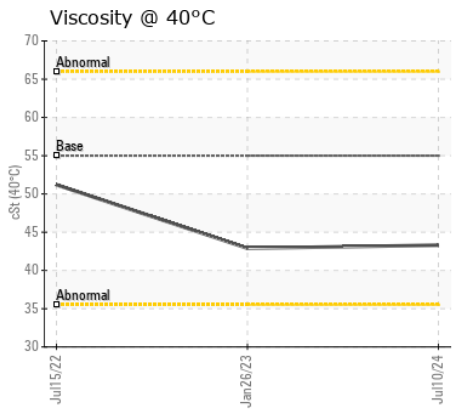

Copper (ppm)



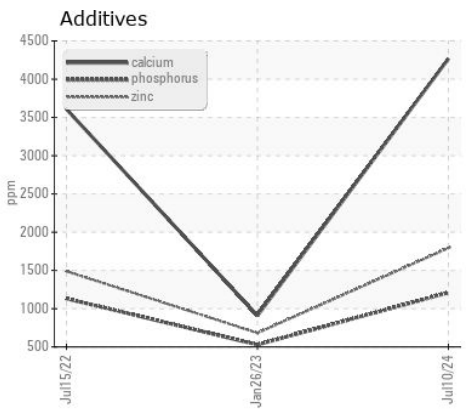

Silicon (ppm)




Viscosity @ 40°C




Additives





**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513
**Sample No.** : VCP453697
**Lab Number** : 06238159
**Unique Number** : 11126993
**Test Package** : MOB 1

**Received** : 16 Jul 2024
**Tested** : 17 Jul 2024
**Diagnosed** : 17 Jul 2024 - Wes Davis

Certificate L2367

**218 - ASCENDUM MACHINERY INC - N. CHARLESTON**
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US 29418
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*To discuss this sample report, contact Customer Service at 1-800-237-1369.*
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*Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)*