MOB I

VOLVO

# OIL ANALYSIS REPORT

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

Area
**[SWO-071203]**
Machine Id
**VOLVO L120H 632828**
Component
**Rear Axle**
Fluid
**TDH FLUID SAE 75W80 (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

## WEAR

All component wear rates are normal.

## CONTAMINATION

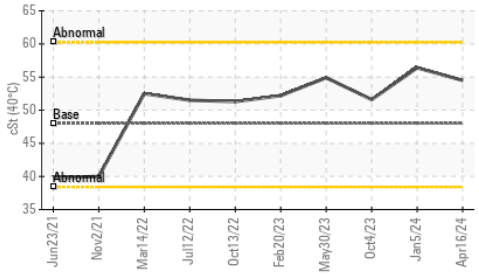
There is no indication of any contamination in the fluid.

## FLUID CONDITION

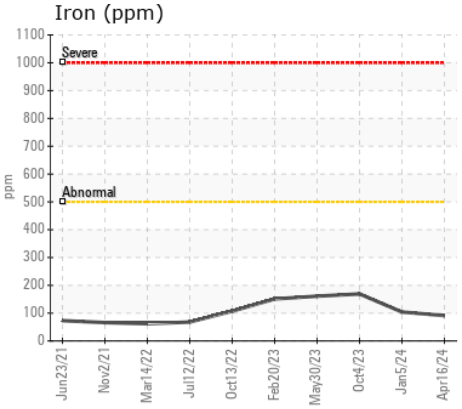
The condition of the fluid is acceptable for the time in service.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|---|---|---|---|---|---|---|
| Sample Number | | Client Info | | VCP455433 | VCP435530 | VCP434039 |
| Sample Date | | Client Info | | 16 Apr 2024 | 05 Jan 2024 | 04 Oct 2023 |
| Machine Age | hrs | Client Info | | 4868 | 4372 | 3901 |
| Oil Age | hrs | Client Info | | 0 | 0 | 0 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Not Changd | Not Changd | Changed |
| Filter Changed | | Client Info | | Not Changd | Not Changd | Not Changd |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |
| Iron | ppm | ASTM D5185m | >500 | 91 | 104 | 169 |
| Chromium | ppm | ASTM D5185m | >20 | 2 | 2 | 3 |
| Nickel | ppm | ASTM D5185m | >10 | 0 | <1 | <1 |
| Titanium | ppm | ASTM D5185m | | <1 | <1 | 0 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >30 | <1 | 2 | <1 |
| Lead | ppm | ASTM D5185m | >50 | 0 | <1 | 0 |
| Copper | ppm | ASTM D5185m | >120 | 2 | 3 | 8 |
| Tin | ppm | ASTM D5185m | >20 | 0 | 0 | <1 |
| Vanadium | ppm | ASTM D5185m | | <1 | 0 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | MODER | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Silicon | ppm | ASTM D5185m | >50 | 15 | 19 | 16 |
| Potassium | ppm | ASTM D5185m | >20 | 0 | 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 | | 2 | 0 | 8 |
| Boron | ppm | ASTM D5185m | 10 | 107 | 146 | 108 |
| Barium | ppm | ASTM D5185m | 10 | 0 | 2 | 0 |
| Molybdenum | ppm | ASTM D5185m | 10 | 3 | 5 | 5 |
| Manganese | ppm | ASTM D5185m | | 4 | 5 | 7 |
| Magnesium | ppm | ASTM D5185m | 100 | 45 | 52 | 40 |
| Calcium | ppm | ASTM D5185m | 3500 | 3156 | 3711 | 3272 |
| Phosphorus | ppm | ASTM D5185m | 1150 | 923 | 1200 | 1177 |
| Zinc | ppm | ASTM D5185m | 1150 | 1212 | 1510 | 1363 |
| Sulfur | ppm | ASTM D5185m | 5000 | 4880 | 5946 | 4711 |
| Visc @ 40°C | cSt | ASTM D445 | 48 | 54.5 | 56.4 | 51.6 |

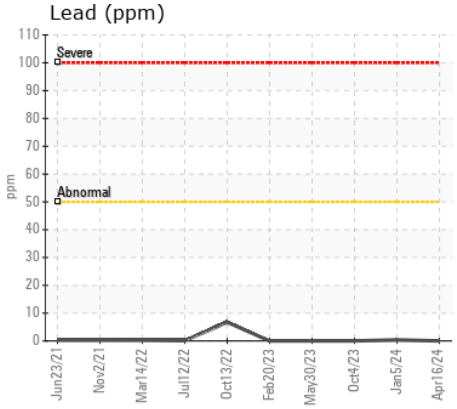
Viscosity @ 40°C



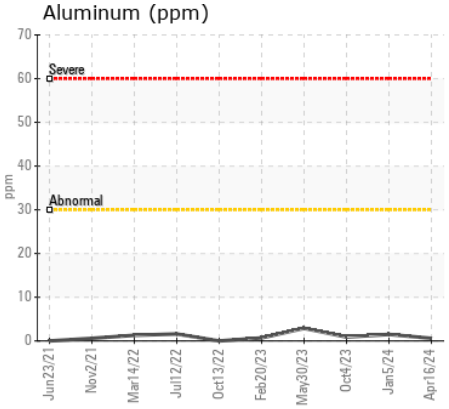

Iron (ppm)



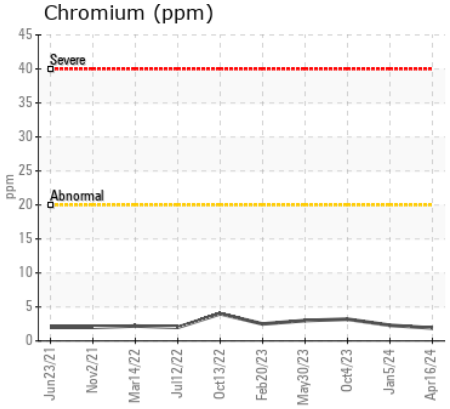

Lead (ppm)



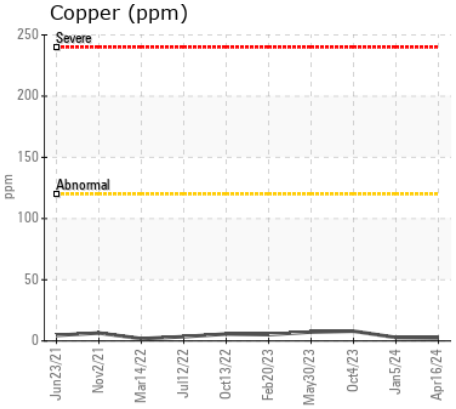

Aluminum (ppm)



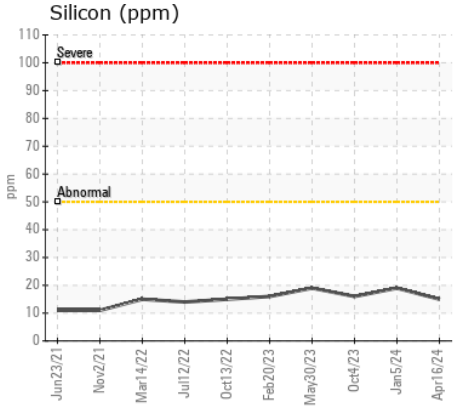

Chromium (ppm)



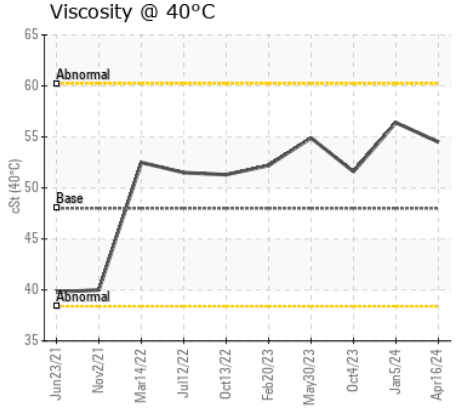

Copper (ppm)



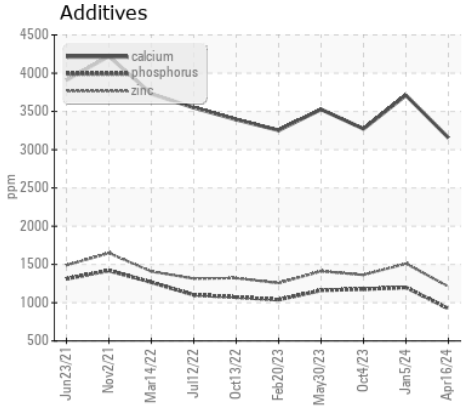

Silicon (ppm)




Viscosity @ 40°C




Additives




Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513
**Sample No.** : VCP455433
**Lab Number** : 06156383
**Unique Number** : 10991806
**Test Package** : MOB 1

**Received** : 22 Apr 2024
**Tested** : 23 Apr 2024
**Diagnosed** : 24 Apr 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)*

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