



VOLVO

OIL ANALYSIS REPORT

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



Machine Id
VOLVO A40G 342253
Component
Rear Axle
Fluid
MOBIL MOBILUBE HD PLUS 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | VCP442857 | VCP445790 | VCP396985 |
| Sample Date | | Client Info | | 11 Mar 2024 | 06 Dec 2023 | 25 Sep 2023 |
| Machine Age | hrs | Client Info | | 11433 | 10949 | 10423 |
| Oil Age | hrs | Client Info | | 484 | 982 | 456 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Not Changed | Changed | Not Changed |
| Filter Changed | | Client Info | | Not Changed | Not Changed | Not Changed |
| Sample Status | | | | NORMAL | SEVERE | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|------|
| Iron | ppm | ASTM D5185m | >900 | 90 | 290 | <1 |
| Chromium | ppm | ASTM D5185m | >20 | 1 | 3 | 0 |
| Nickel | ppm | ASTM D5185m | >10 | <1 | 1 | 0 |
| Titanium | ppm | ASTM D5185m | | 1 | 3 | 0 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >30 | 5 | ▲ 40 | 0 |
| Lead | ppm | ASTM D5185m | >50 | <1 | 0 | <1 |
| Copper | ppm | ASTM D5185m | >150 | <1 | 2 | <1 |
| Tin | ppm | ASTM D5185m | >20 | <1 | 0 | 0 |
| Vanadium | ppm | ASTM D5185m | | <1 | <1 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

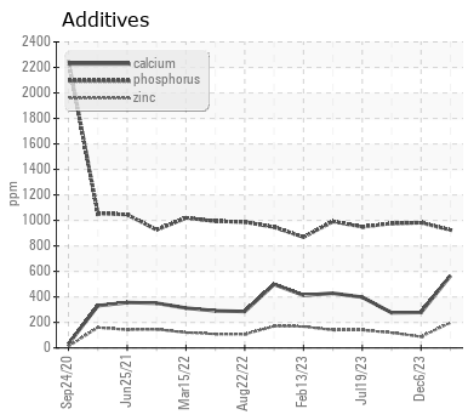
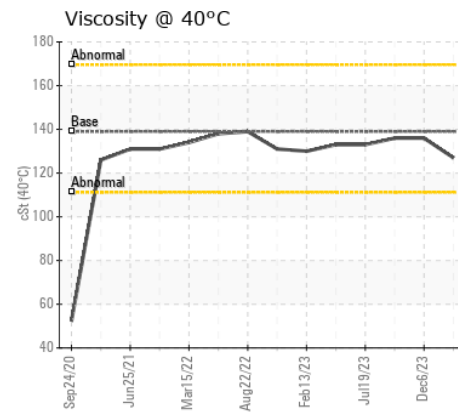
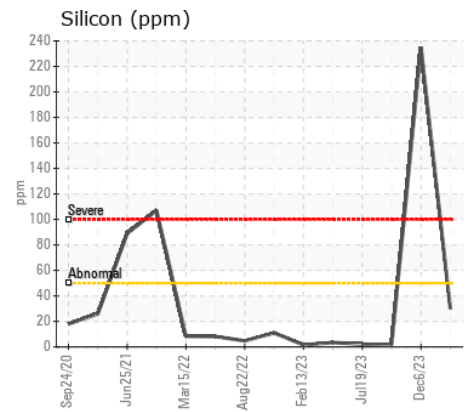
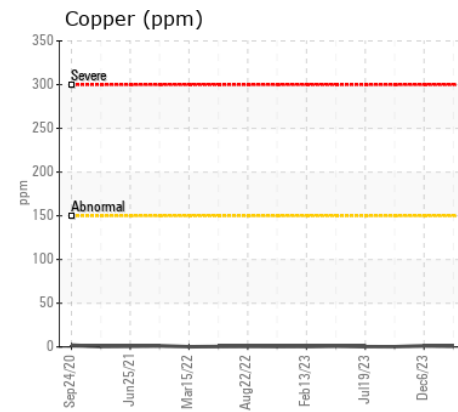
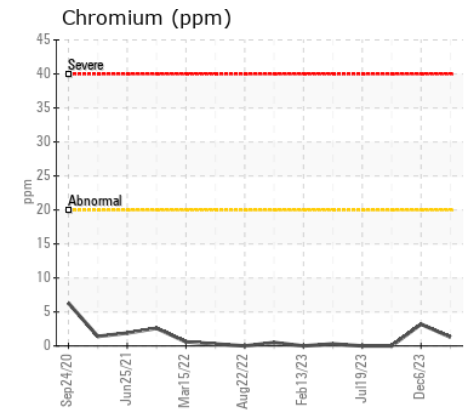
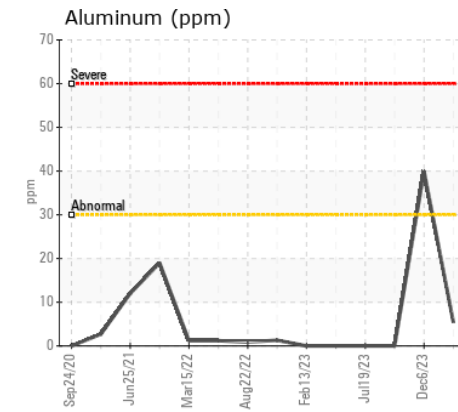
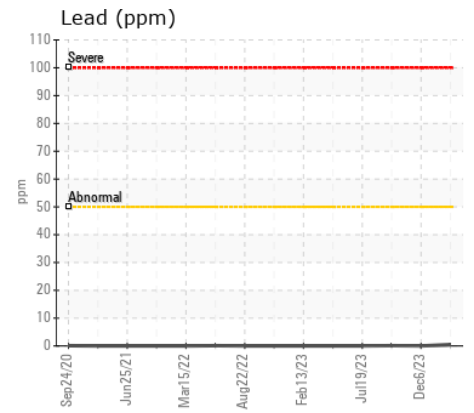
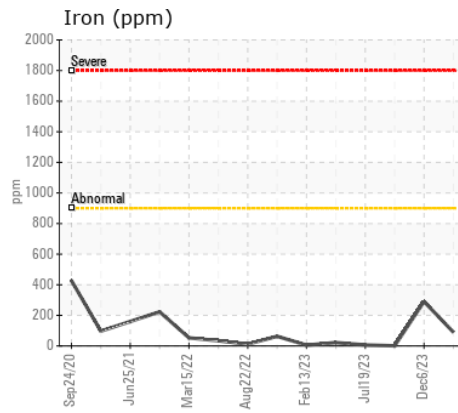
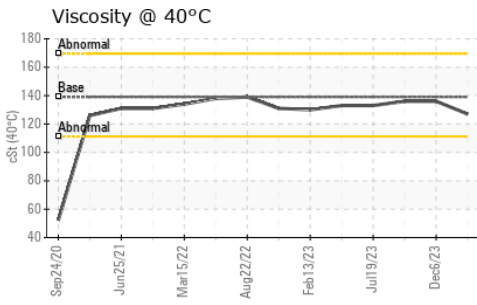
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >50 | 30 | ▲ 235 | 2 |
| Potassium | ppm | ASTM D5185m | >20 | 2 | 6 | <1 |
| Water | | WC Method | >0.2 | NEG | NEG | NEG |
| Silt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Debris | scalar | *Visual | NONE | NONE | NONE | LIGHT |
| 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 |

FLUID CONDITION

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

| | | | | | | |
|-------------|-----|-------------|-----|--------------|-------|-------|
| Sodium | ppm | ASTM D5185m | | 0 | 6 | 0 |
| Boron | ppm | ASTM D5185m | | 154 | 195 | 180 |
| Barium | ppm | ASTM D5185m | | 0 | 0 | 2 |
| Molybdenum | ppm | ASTM D5185m | | 3 | 2 | <1 |
| Manganese | ppm | ASTM D5185m | | 1 | 3 | 0 |
| Magnesium | ppm | ASTM D5185m | | 18 | 0 | 10 |
| Calcium | ppm | ASTM D5185m | | 566 | 278 | 276 |
| Phosphorus | ppm | ASTM D5185m | | 925 | 982 | 977 |
| Zinc | ppm | ASTM D5185m | | 198 | 88 | 120 |
| Sulfur | ppm | ASTM D5185m | | 24694 | 21548 | 23037 |
| Visc @ 40°C | cSt | ASTM D445 | 139 | 127 | 136 | 136 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : VCP442857
 Lab Number : 06124058
 Unique Number : 10938209
 Test Package : MOB 1

Received : 20 Mar 2024
 Tested : 21 Mar 2024
 Diagnosed : 21 Mar 2024 - Wes Davis

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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)