



OIL ANALYSIS REPORT

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



Machine Id
VOLVO A40G HDTR0837
Component
Hydraulic System
Fluid
MOBIL DTE 10 EXCEL 32 (--- GAL)

RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. The fluid was specified as MOBIL DTE 10 EXCEL 32, however, a fluid match indicates that this fluid is ISO 32 AW Hydraulic Oil. Please confirm the oil type and grade on your next sample. Please contact your representative for information regarding the proper sampling kits for your service. NOTE: We recommend using MOB 2 test kits, this testkit includes Particle Count to determine the ISO cleanliness of the fluid.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|----------|
| Sample Number | | Client Info | | WC0930796 | WC0865549 | --- |
| Sample Date | | Client Info | | 29 Apr 2024 | 12 Nov 2023 | --- |
| Machine Age | hrs | Client Info | | 8949 | 6503 | --- |
| Oil Age | hrs | Client Info | | 0 | 0 | --- |
| Filter Age | hrs | Client Info | | 0 | 0 | --- |
| Oil Changed | | Client Info | | N/A | Not Changd | --- |
| Filter Changed | | Client Info | | N/A | N/A | --- |
| Sample Status | | | | NORMAL | NORMAL | --- |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|---------------|------|--------------|------|-----|
| Iron | ppm | ASTM D5185(m) | >50 | 15 | 13 | --- |
| Chromium | ppm | ASTM D5185(m) | >20 | <1 | <1 | --- |
| Nickel | ppm | ASTM D5185(m) | >10 | 0 | <1 | --- |
| Titanium | ppm | ASTM D5185(m) | | 0 | 0 | --- |
| Silver | ppm | ASTM D5185(m) | | 0 | <1 | --- |
| Aluminum | ppm | ASTM D5185(m) | >20 | 4 | 3 | --- |
| Lead | ppm | ASTM D5185(m) | >20 | 2 | 2 | --- |
| Copper | ppm | ASTM D5185(m) | >150 | 4 | 4 | --- |
| Tin | ppm | ASTM D5185(m) | >20 | 0 | 0 | --- |
| Vanadium | ppm | ASTM D5185(m) | | 0 | 0 | --- |
| White Metal | scalar | Visual* | NONE | NONE | NONE | --- |
| Yellow Metal | scalar | Visual* | NONE | NONE | NONE | --- |

CONTAMINATION

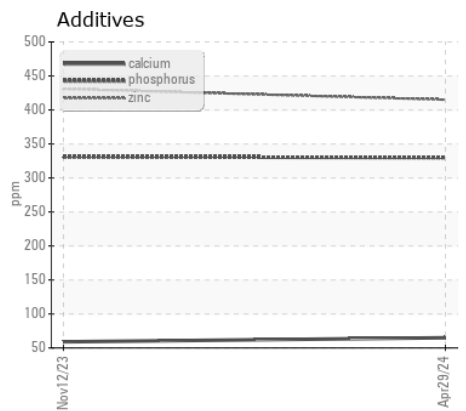
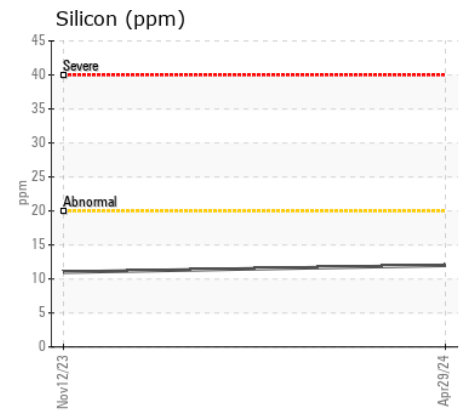
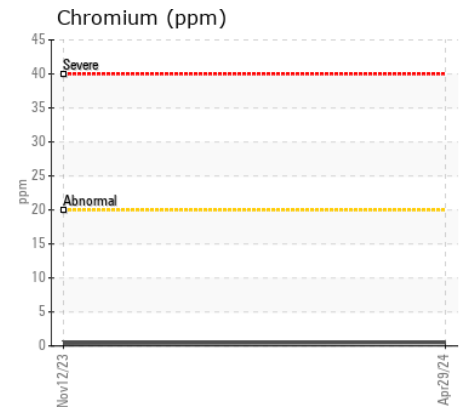
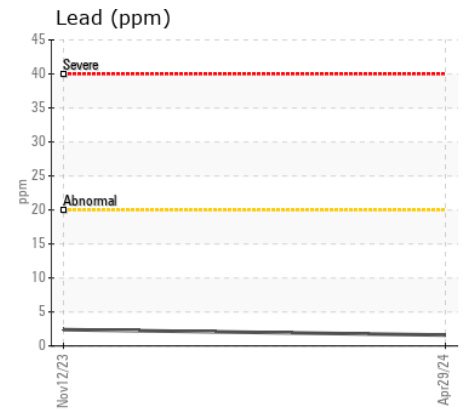
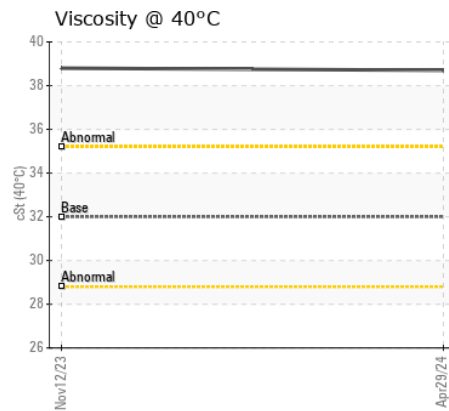
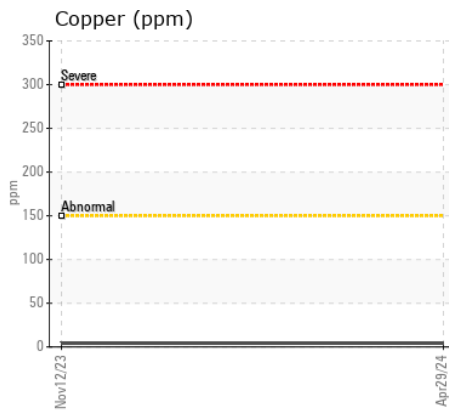
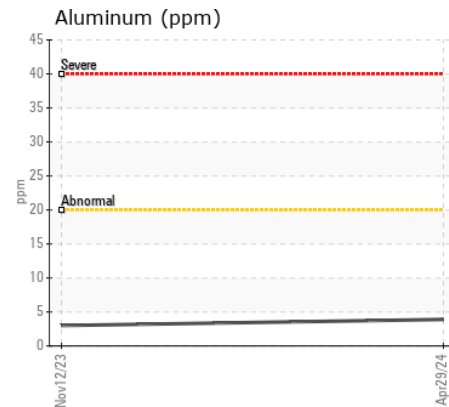
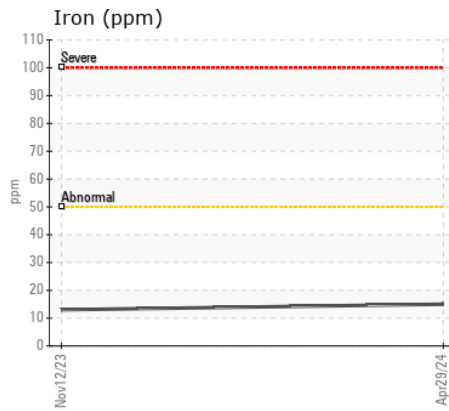
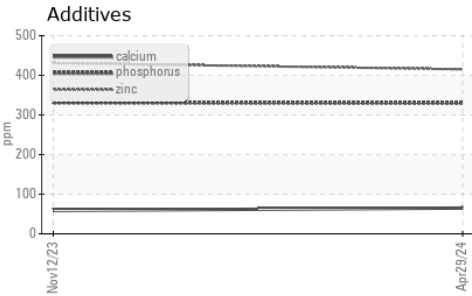
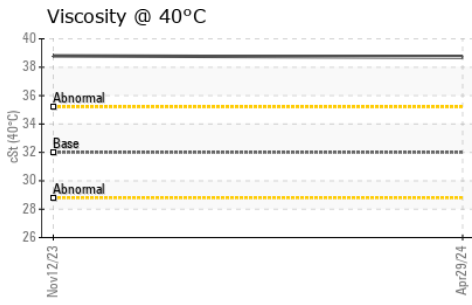
There is no indication of any contamination in the component(unconfirmed).

| | | | | | | |
|------------------|--------|---------------|-------|--------------|-------|-----|
| Silicon | ppm | ASTM D5185(m) | >20 | 12 | 11 | --- |
| Potassium | ppm | ASTM D5185(m) | >20 | <1 | <1 | --- |
| Water | | WC Method | >0.1 | NEG | NEG | --- |
| Silt | scalar | Visual* | NONE | NONE | NONE | --- |
| Debris | scalar | Visual* | NONE | VLITE | NONE | --- |
| Sand/Dirt | scalar | Visual* | NONE | NONE | NONE | --- |
| Appearance | scalar | Visual* | NORML | NORML | NORML | --- |
| Odor | scalar | Visual* | NORML | NORML | NORML | --- |
| Emulsified Water | scalar | Visual* | >0.1 | NEG | NEG | --- |

FLUID CONDITION

The viscosity of the oil is higher than normal, possibly indicating the addition of a heavier grade of oil. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.

| | | | | | | |
|-------------|-----|---------------|------|--------------|------|-----|
| Sodium | ppm | ASTM D5185(m) | | 3 | 3 | --- |
| Boron | ppm | ASTM D5185(m) | | <1 | <1 | --- |
| Barium | ppm | ASTM D5185(m) | | 0 | <1 | --- |
| Molybdenum | ppm | ASTM D5185(m) | | 0 | 0 | --- |
| Manganese | ppm | ASTM D5185(m) | | 0 | 0 | --- |
| Magnesium | ppm | ASTM D5185(m) | | 10 | 7 | --- |
| Calcium | ppm | ASTM D5185(m) | 120 | 65 | 59 | --- |
| Phosphorus | ppm | ASTM D5185(m) | 475 | 330 | 331 | --- |
| Zinc | ppm | ASTM D5185(m) | | 415 | 431 | --- |
| Sulfur | ppm | ASTM D5185(m) | 1275 | 2085 | 2173 | --- |
| Visc @ 40°C | cSt | ASTM D7279(m) | 32 | 38.7 | 38.8 | --- |



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0930796
Lab Number : 02633517
Unique Number : 5774670
Test Package : MOB 1

Received : 06 May 2024
Tested : 06 May 2024
Diagnosed : 07 May 2024 - Kevin Marson

Agnico Eagle Canada
 1350 Government Rd. W, MACASSA COMPLEX
 Kirkland Lake, ON
 CA P2N 3J1
 Contact: Mike Campbell
 mike.campbell@agnicoeagle.com
 T: (705)567-5208
 F: (705)567-5221

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.