



VOLVO

OIL ANALYSIS REPORT

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



Machine Id
VOLVO EC480 311142
Component
Rear Right Final Drive
Fluid
VOLVO PREMIUM GEAR OIL 85W-140 GL-5 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|----------|
| Sample Number | | Client Info | | VCP443782 | VCP404722 | --- |
| Sample Date | | Client Info | | 23 Apr 2024 | 19 Apr 2023 | --- |
| Machine Age | hrs | Client Info | | 6046 | 5432 | --- |
| Oil Age | hrs | Client Info | | 0 | 0 | --- |
| Filter Age | hrs | Client Info | | 0 | 0 | --- |
| Oil Changed | | Client Info | | Changed | Changed | --- |
| Filter Changed | | Client Info | | N/A | Not Changed | --- |
| Sample Status | | | | NORMAL | NORMAL | --- |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|-------|-------------|------|-----|
| Iron | ppm | ASTM D5185m | >3360 | 599 | 579 | --- |
| Chromium | ppm | ASTM D5185m | >35 | 8 | 9 | --- |
| Nickel | ppm | ASTM D5185m | >8 | 0 | 0 | --- |
| Titanium | ppm | ASTM D5185m | >15 | 0 | <1 | --- |
| Silver | ppm | ASTM D5185m | | 0 | <1 | --- |
| Aluminum | ppm | ASTM D5185m | >185 | 4 | 6 | --- |
| Lead | ppm | ASTM D5185m | >5 | 0 | 0 | --- |
| Copper | ppm | ASTM D5185m | >80 | 2 | 1 | --- |
| Tin | ppm | ASTM D5185m | >8 | 0 | 0 | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | --- |
| White Metal | scalar | *Visual | NONE | NONE | NONE | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | --- |

CONTAMINATION

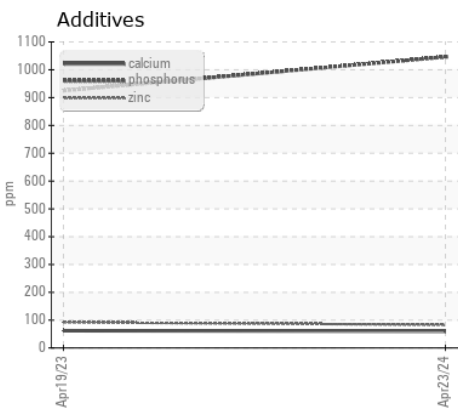
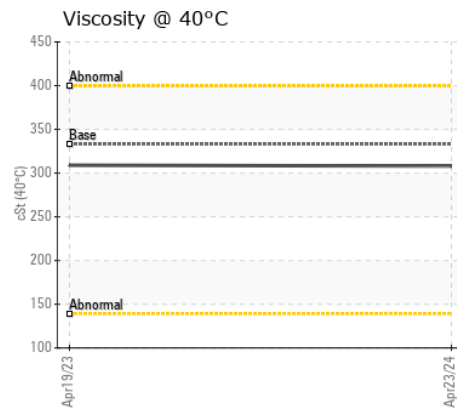
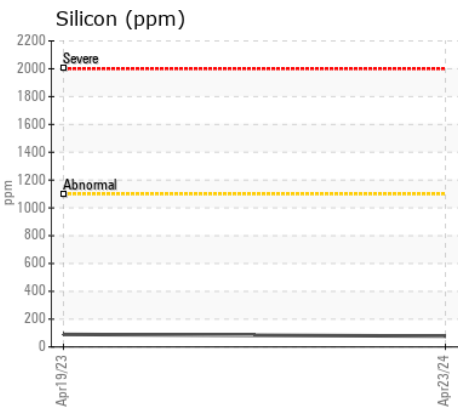
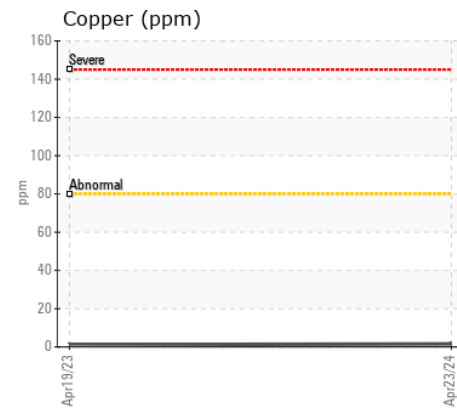
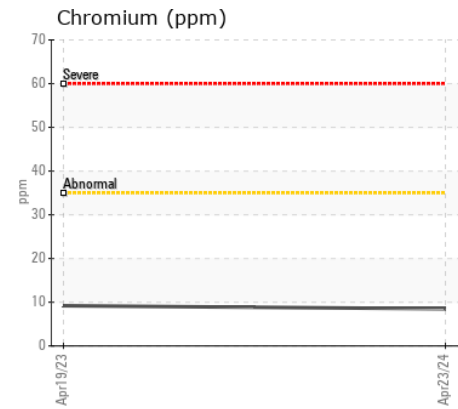
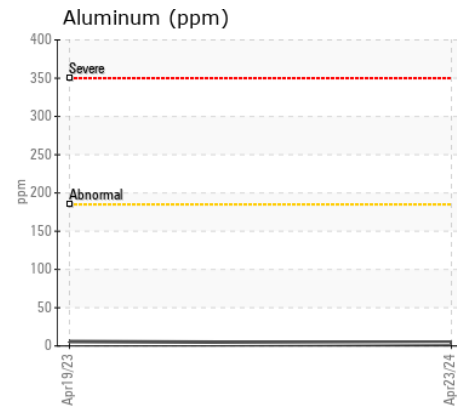
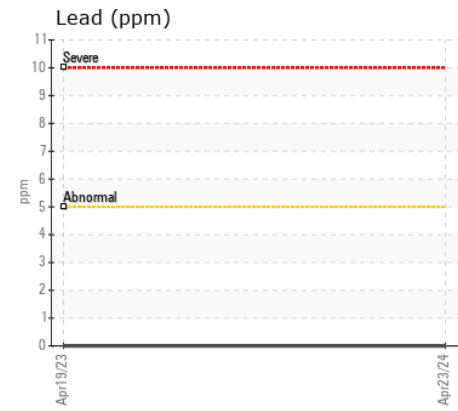
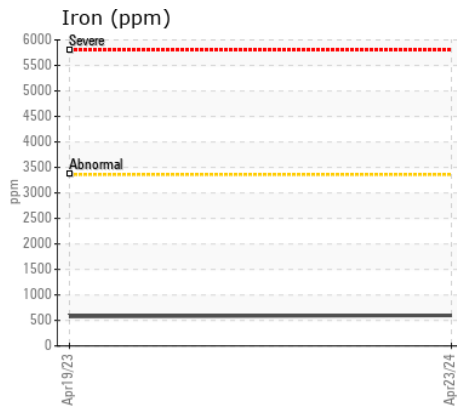
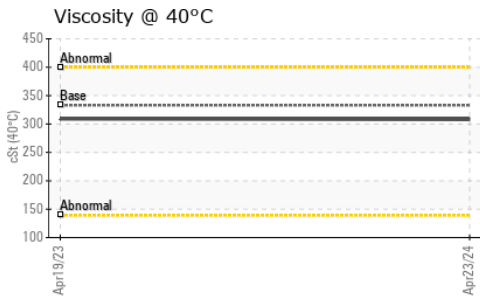
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-----|
| Silicon | ppm | ASTM D5185m | >1100 | 78 | 90 | --- |
| Potassium | ppm | ASTM D5185m | >20 | 0 | 0 | --- |
| Water | | WC Method | >0.2 | NEG | NEG | --- |
| Silt | scalar | *Visual | NONE | LIGHT | NONE | --- |
| Debris | scalar | *Visual | NONE | NONE | NONE | --- |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | --- |
| Appearance | scalar | *Visual | NORML | NORML | NORML | --- |
| Odor | scalar | *Visual | NORML | NORML | NORML | --- |
| Emulsified Water | scalar | *Visual | >0.2 | NEG | NEG | --- |

FLUID CONDITION

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

| | | | | | | |
|-------------|-----|-------------|-------|--------------|-------|-----|
| Sodium | ppm | ASTM D5185m | | <1 | 1 | --- |
| Boron | ppm | ASTM D5185m | 111 | 154 | 148 | --- |
| Barium | ppm | ASTM D5185m | 0.0 | 0 | 0 | --- |
| Molybdenum | ppm | ASTM D5185m | 0.9 | 2 | 3 | --- |
| Manganese | ppm | ASTM D5185m | 0.0 | 5 | 5 | --- |
| Magnesium | ppm | ASTM D5185m | 39 | 7 | 9 | --- |
| Calcium | ppm | ASTM D5185m | 93 | 60 | 62 | --- |
| Phosphorus | ppm | ASTM D5185m | 920 | 1046 | 925 | --- |
| Zinc | ppm | ASTM D5185m | 104 | 83 | 92 | --- |
| Sulfur | ppm | ASTM D5185m | 20179 | 32814 | 30421 | --- |
| Visc @ 40°C | cSt | ASTM D445 | 333 | 308 | 309 | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : VCP443782
Lab Number : 06159478
Unique Number : 10994901
Test Package : MOB 1

Received : 24 Apr 2024
Tested : 25 Apr 2024
Diagnosed : 25 Apr 2024 - Wes Davis

ALTA EQUIPMENT/FLAGLER EQUIPMENT LLC
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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)