



VOLVO

OIL ANALYSIS REPORT

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



Area
[SPM688848]
 Machine Id
VOLVO EC480EL 315144
 Component
Swing Drive
 Fluid
GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|-------------|----------|----------|
| Sample Number | | Client Info | | VCP444792 | --- | --- |
| Sample Date | | Client Info | | 02 Apr 2024 | --- | --- |
| Machine Age | hrs | Client Info | | 1019 | --- | --- |
| Oil Age | hrs | Client Info | | 0 | --- | --- |
| Filter Age | hrs | Client Info | | 0 | --- | --- |
| Oil Changed | | Client Info | | Not Changed | --- | --- |
| Filter Changed | | Client Info | | Not Changed | --- | --- |
| Sample Status | | | | NORMAL | --- | --- |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|-------|------|-----|-----|
| Iron | ppm | ASTM D5185m | >1200 | 100 | --- | --- |
| Chromium | ppm | ASTM D5185m | >10 | 0 | --- | --- |
| Nickel | ppm | ASTM D5185m | >10 | 0 | --- | --- |
| Titanium | ppm | ASTM D5185m | | 0 | --- | --- |
| Silver | ppm | ASTM D5185m | | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185m | >25 | 1 | --- | --- |
| Lead | ppm | ASTM D5185m | >50 | 0 | --- | --- |
| Copper | ppm | ASTM D5185m | >50 | 40 | --- | --- |
| Tin | ppm | ASTM D5185m | >10 | 0 | --- | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | --- | --- |
| White Metal | scalar | *Visual | NONE | NONE | --- | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | --- | --- |

CONTAMINATION

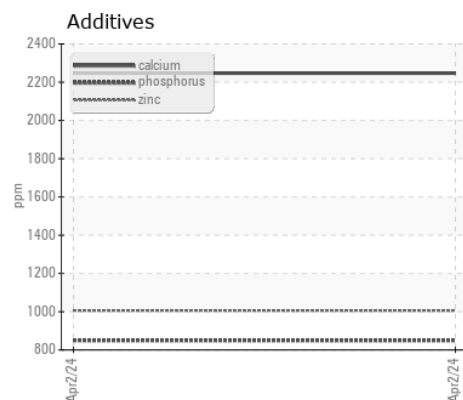
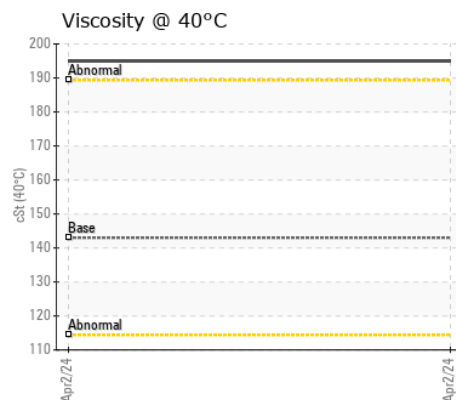
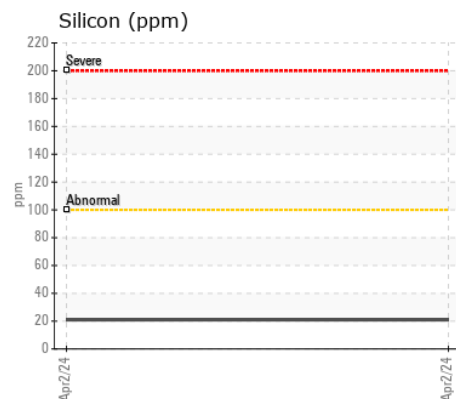
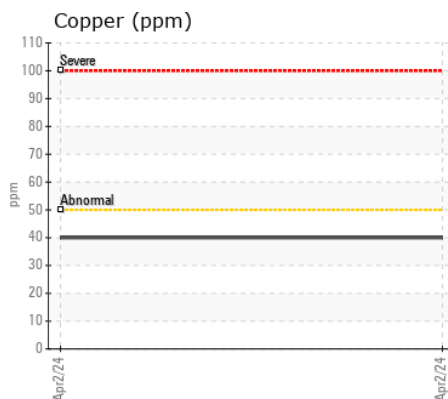
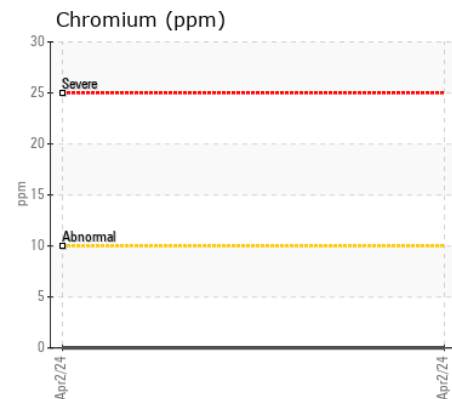
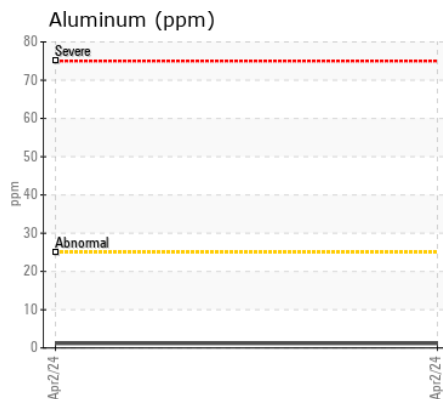
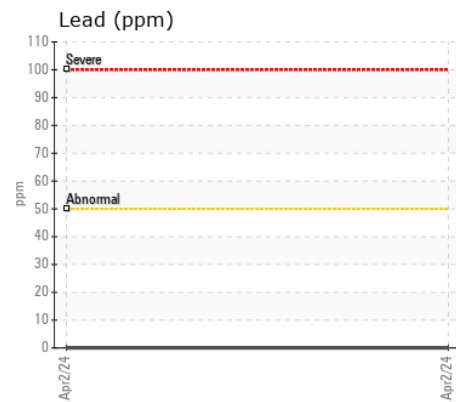
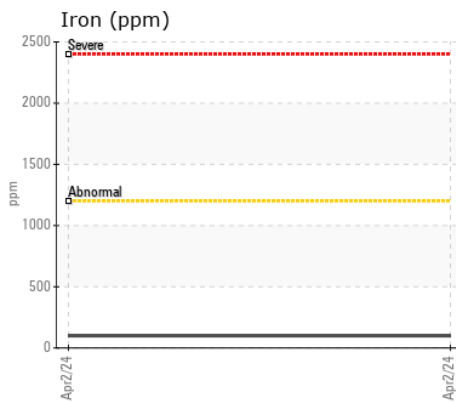
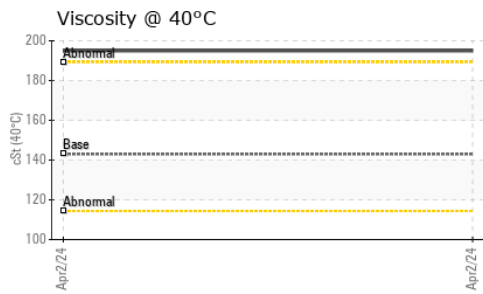
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|-------|-----|-----|
| Silicon | ppm | ASTM D5185m | >100 | 21 | --- | --- |
| Potassium | ppm | ASTM D5185m | >20 | 0 | --- | --- |
| Water | | WC Method | >0.25 | NEG | --- | --- |
| Silt | scalar | *Visual | NONE | MODER | --- | --- |
| Debris | scalar | *Visual | NONE | NONE | --- | --- |
| Sand/Dirt | scalar | *Visual | NONE | NONE | --- | --- |
| Appearance | scalar | *Visual | NORML | NORML | --- | --- |
| Odor | scalar | *Visual | NORML | NORML | --- | --- |
| Emulsified Water | scalar | *Visual | >0.25 | NEG | --- | --- |

FLUID CONDITION

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

| | | | | | | |
|-------------|-----|-------------|-------|------|-----|-----|
| Sodium | ppm | ASTM D5185m | >170 | <1 | --- | --- |
| Boron | ppm | ASTM D5185m | 400 | 8 | --- | --- |
| Barium | ppm | ASTM D5185m | 200 | 2 | --- | --- |
| Molybdenum | ppm | ASTM D5185m | 12 | 2 | --- | --- |
| Manganese | ppm | ASTM D5185m | | 3 | --- | --- |
| Magnesium | ppm | ASTM D5185m | 12 | 24 | --- | --- |
| Calcium | ppm | ASTM D5185m | 150 | 2247 | --- | --- |
| Phosphorus | ppm | ASTM D5185m | 1650 | 850 | --- | --- |
| Zinc | ppm | ASTM D5185m | 125 | 1006 | --- | --- |
| Sulfur | ppm | ASTM D5185m | 22500 | 6731 | --- | --- |
| Visc @ 40°C | cSt | ASTM D445 | 143 | 195 | --- | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : VCP444792

Lab Number : 06154904

Unique Number : 10990327

Test Package : MOB 1

Received : 19 Apr 2024

Tested : 22 Apr 2024

Diagnosed : 24 Apr 2024 - Sean Felton

SIMS METAL MANAGEMENT

2500 S. PAULINA

CHICAGO, IL

US 60608

Contact: RYAN WISE

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T:

F:

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)