



ASCENDUM

OIL ANALYSIS REPORT



Area
Ascendum Machinery
 Machine Id
VOLVO EC380E 380E314127
 Component
Left Travel
 Fluid
VOLVO PREMIUM GEAR OIL 85W-140 GL-5 (--- GAL)

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

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|---------------|----------|----------|
| Sample Number | | Client Info | | ASC0001556 | --- | --- |
| Sample Date | | Client Info | | 15 Jan 2024 | --- | --- |
| Machine Age | hrs | Client Info | | 3445 | --- | --- |
| Oil Age | hrs | Client Info | | 3445 | --- | --- |
| Filter Age | hrs | Client Info | | 0 | --- | --- |
| Oil Changed | | Client Info | | Not Changd | --- | --- |
| Filter Changed | | Client Info | | None | --- | --- |
| Sample Status | | | | NORMAL | --- | --- |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|-------|------|-----|-----|
| Iron | ppm | ASTM D5185m | >1200 | 516 | --- | --- |
| Chromium | ppm | ASTM D5185m | >20 | 8 | --- | --- |
| Nickel | ppm | ASTM D5185m | >5 | <1 | --- | --- |
| Titanium | ppm | ASTM D5185m | | 1 | --- | --- |
| Silver | ppm | ASTM D5185m | | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185m | >100 | 20 | --- | --- |
| Lead | ppm | ASTM D5185m | >50 | 0 | --- | --- |
| Copper | ppm | ASTM D5185m | >50 | <1 | --- | --- |
| Tin | ppm | ASTM D5185m | >5 | 0 | --- | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | --- | --- |
| White Metal | scalar | *Visual | NONE | NONE | --- | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | --- | --- |

CONTAMINATION

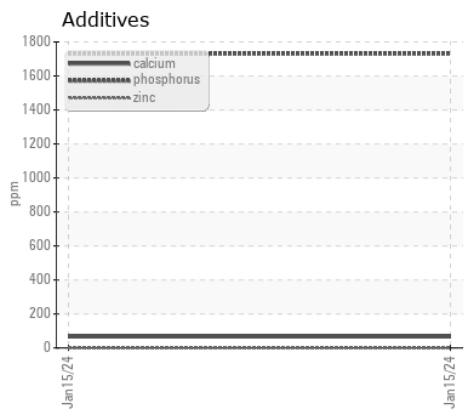
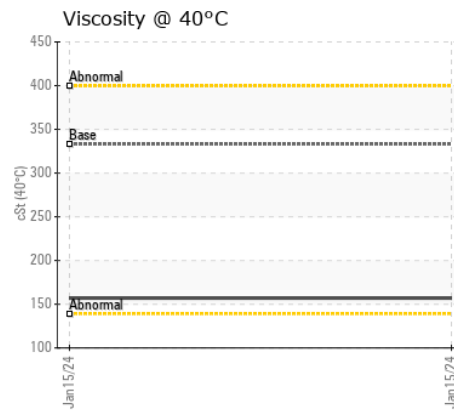
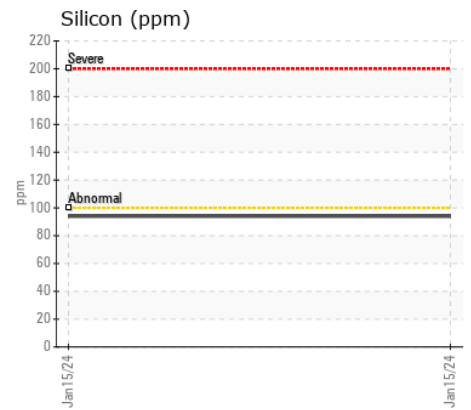
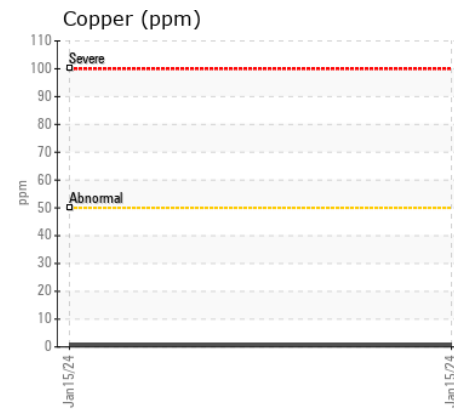
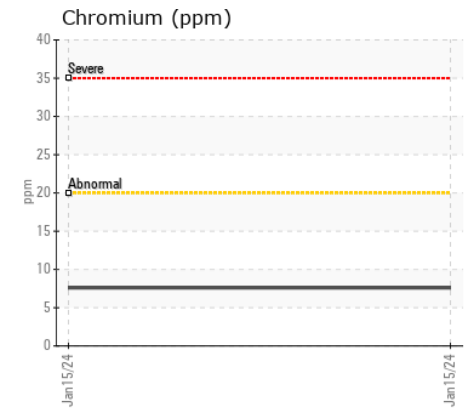
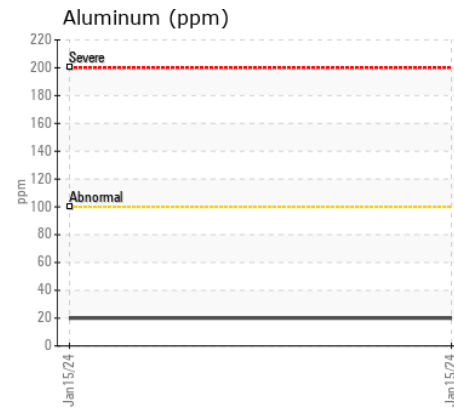
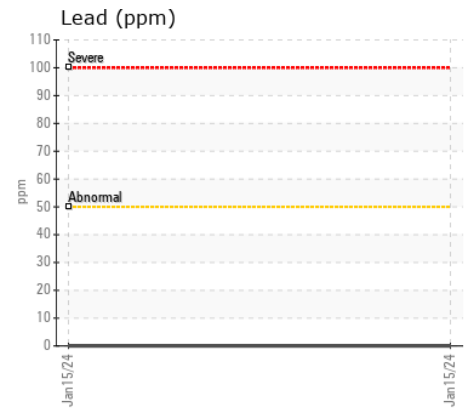
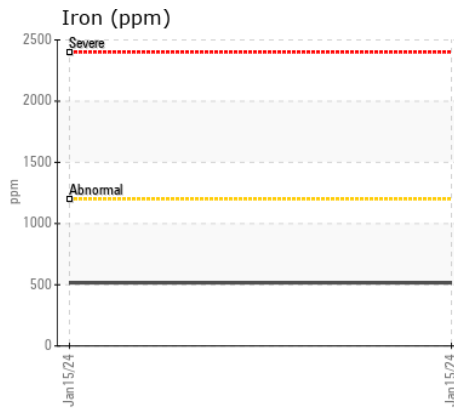
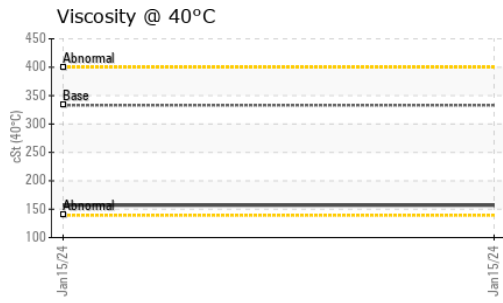
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|-------|-----|-----|
| Silicon | ppm | ASTM D5185m | >100 | 94 | --- | --- |
| Potassium | ppm | ASTM D5185m | >20 | 4 | --- | --- |
| Water | | WC Method | >0.25 | NEG | --- | --- |
| Silt | scalar | *Visual | NONE | NONE | --- | --- |
| 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 | | 0 | --- | --- |
| Boron | ppm | ASTM D5185m | 111 | 62 | --- | --- |
| Barium | ppm | ASTM D5185m | 0.0 | 4 | --- | --- |
| Molybdenum | ppm | ASTM D5185m | 0.9 | <1 | --- | --- |
| Manganese | ppm | ASTM D5185m | 0.0 | 4 | --- | --- |
| Magnesium | ppm | ASTM D5185m | 39 | 4 | --- | --- |
| Calcium | ppm | ASTM D5185m | 93 | 66 | --- | --- |
| Phosphorus | ppm | ASTM D5185m | 920 | 1731 | --- | --- |
| Zinc | ppm | ASTM D5185m | 104 | 0 | --- | --- |
| Sulfur | ppm | ASTM D5185m | 20179 | 17175 | --- | --- |
| Visc @ 40°C | cSt | ASTM D445 | 333 | 157 | --- | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : ASC0001556 Recieved : 17 Jan 2024
 Lab Number : 06063187 Diagnosed : 19 Jan 2024
 Unique Number : 10834569 Diagnostician : Don Baldridge
 Test Package : MOBCE

ENVIRONMENTAL HOLDINGS GROUP LLC
 4000 TRIANGLE LANE SUITE 160
 EXPORT, PA
 US 15632
 Contact: Service Manager

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)

T:
F: