



ASCENDUM

OIL ANALYSIS REPORT

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



Area
Ascendum Machinery
Machine Id
VOLVO L120H RL85 (S/N L120HV633471)
Component
Front Axle
Fluid
VOLVO WB 102 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|----------|
| Sample Number | | Client Info | | ASC0009929 | ASC0007815 | --- |
| Sample Date | | Client Info | | 08 May 2024 | 14 Mar 2024 | --- |
| Machine Age | hrs | Client Info | | 2013 | 1617 | --- |
| Oil Age | hrs | Client Info | | 2013 | 1617 | --- |
| Filter Age | hrs | Client Info | | 0 | 0 | --- |
| Oil Changed | | Client Info | | Changed | Not Changd | --- |
| Filter Changed | | Client Info | | Changed | Not Changed | --- |
| Sample Status | | | | NORMAL | NORMAL | --- |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|-----|
| Iron | ppm | ASTM D5185m | >500 | 145 | 135 | --- |
| Chromium | ppm | ASTM D5185m | >20 | 3 | 3 | --- |
| Nickel | ppm | ASTM D5185m | >10 | 0 | 0 | --- |
| Titanium | ppm | ASTM D5185m | | 0 | 0 | --- |
| Silver | ppm | ASTM D5185m | | 0 | 0 | --- |
| Aluminum | ppm | ASTM D5185m | >30 | 0 | <1 | --- |
| Lead | ppm | ASTM D5185m | >50 | 0 | 0 | --- |
| Copper | ppm | ASTM D5185m | >120 | 0 | 0 | --- |
| Tin | ppm | ASTM D5185m | >20 | <1 | 0 | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | --- |
| White Metal | scalar | *Visual | NONE | NONE | NONE | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | --- |

CONTAMINATION

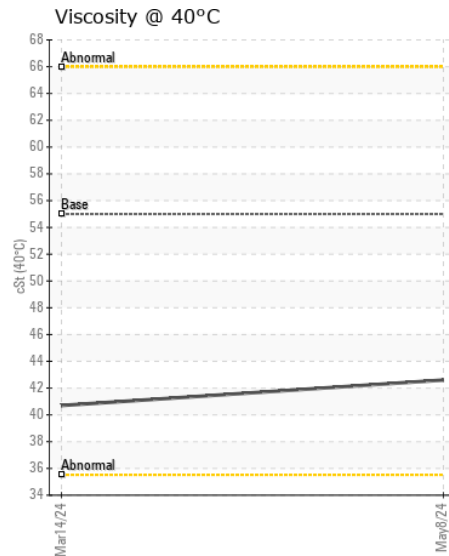
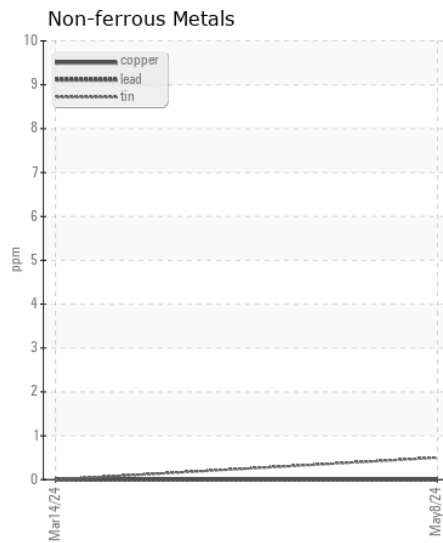
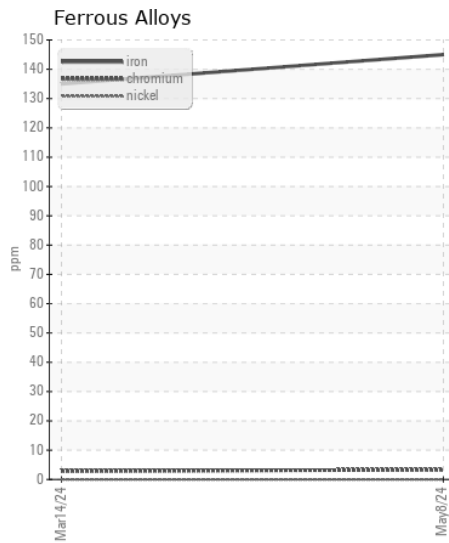
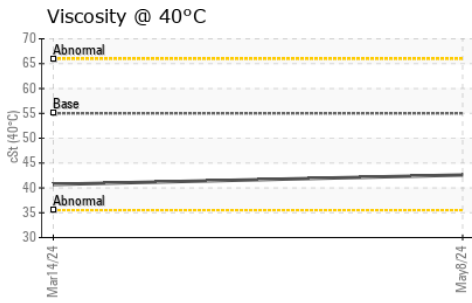
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-----|
| Silicon | ppm | ASTM D5185m | >50 | 21 | 19 | --- |
| Potassium | ppm | ASTM D5185m | >20 | 0 | 0 | --- |
| Water | | WC Method | >0.2 | NEG | NEG | --- |
| Silt | scalar | *Visual | NONE | MODER | MODER | --- |
| 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 | | 11 | 10 | --- |
| Boron | ppm | ASTM D5185m | | 141 | 119 | --- |
| Barium | ppm | ASTM D5185m | | 1 | 0 | --- |
| Molybdenum | ppm | ASTM D5185m | | 12 | 14 | --- |
| Manganese | ppm | ASTM D5185m | | 10 | 9 | --- |
| Magnesium | ppm | ASTM D5185m | | 12 | 11 | --- |
| Calcium | ppm | ASTM D5185m | | 3880 | 4034 | --- |
| Phosphorus | ppm | ASTM D5185m | | 1387 | 1329 | --- |
| Zinc | ppm | ASTM D5185m | | 1609 | 1613 | --- |
| Sulfur | ppm | ASTM D5185m | | 4445 | 4546 | --- |
| Visc @ 40°C | cSt | ASTM D445 | 55 | 42.6 | 40.7 | --- |



Certificate L2367

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

Sample No. : ASC0009929

Lab Number : 06177608

Unique Number : 11023661

Test Package : CONST

Received : 13 May 2024

Tested : 14 May 2024

Diagnosed : 14 May 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)