



ASCENDUM

OIL ANALYSIS REPORT



Area
Ascendum Machinery
 Machine Id
VOLVO L90H 625028
 Component
Rear Axle
 Fluid
TRANSAXLE OIL SAE 75W80 (--- GAL)

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

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | ASC0010258 | ASC0006199 | VCP375142 |
| Sample Date | | Client Info | | 29 Mar 2024 | 11 Jan 2024 | 15 Jul 2022 |
| Machine Age | hrs | Client Info | | 9014 | 8507 | 5702 |
| Oil Age | hrs | Client Info | | 9014 | 492 | 0 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | N/A | Not Changd | Not Changd |
| Filter Changed | | Client Info | | N/A | Not Changd | Not Changd |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|-------|
| Iron | ppm | ASTM D5185m | >300 | 12 | 8 | 47 |
| Chromium | ppm | ASTM D5185m | >10 | <1 | 0 | 1 |
| Nickel | ppm | ASTM D5185m | >4 | <1 | 0 | <1 |
| Titanium | ppm | ASTM D5185m | | <1 | 0 | <1 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | <1 |
| Aluminum | ppm | ASTM D5185m | >15 | 2 | 1 | 0 |
| Lead | ppm | ASTM D5185m | >4 | <1 | 0 | 2 |
| Copper | ppm | ASTM D5185m | >200 | 3 | 2 | 15 |
| Tin | ppm | ASTM D5185m | >15 | <1 | <1 | <1 |
| Vanadium | ppm | ASTM D5185m | | <1 | 0 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | LIGHT |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

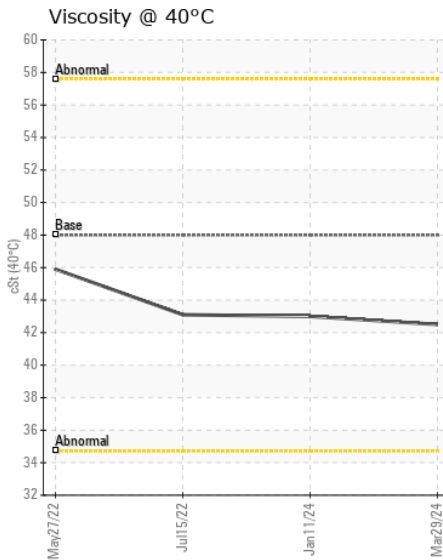
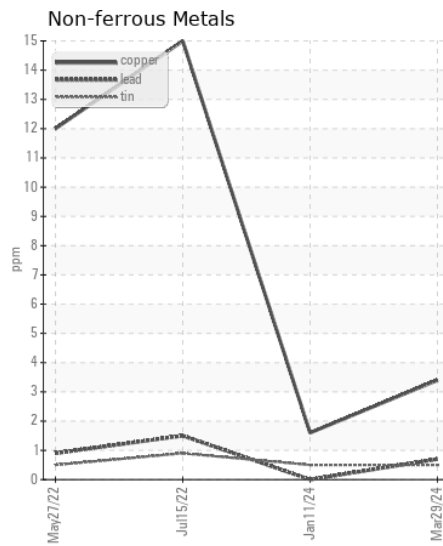
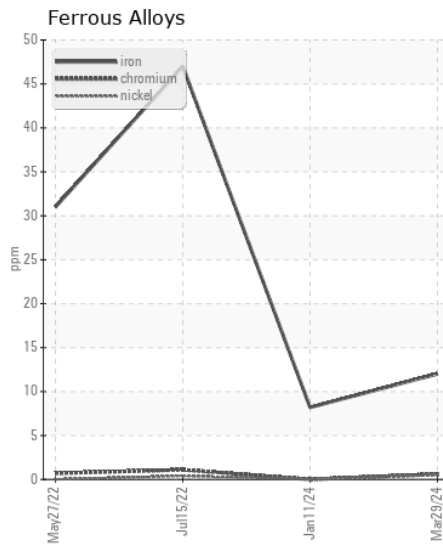
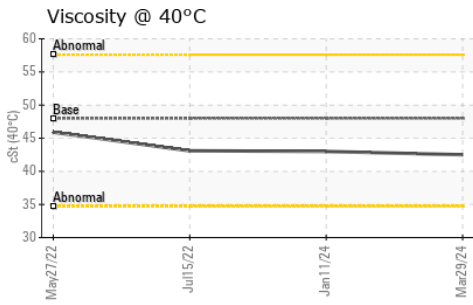
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >75 | 11 | 10 | 14 |
| Potassium | ppm | ASTM D5185m | >20 | 2 | 0 | 0 |
| Water | | WC Method | >0.2 | NEG | NEG | NEG |
| Silt | scalar | *Visual | NONE | LIGHT | LIGHT | NONE |
| Debris | scalar | *Visual | NONE | NONE | NONE | VLITE |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Appearance | scalar | *Visual | NORML | NORML | NORML | NORML |
| Odor | scalar | *Visual | NORML | NORML | NORML | NORML |
| Emulsified Water | scalar | *Visual | >0.2 | NEG | NEG | NEG |

FLUID CONDITION

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

| | | | | | | |
|-------------|-----|-------------|------|--------------|------|------|
| Sodium | ppm | ASTM D5185m | | <1 | <1 | 10 |
| Boron | ppm | ASTM D5185m | 160 | 144 | 121 | 170 |
| Barium | ppm | ASTM D5185m | 10 | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | 25 | 1 | 0 | <1 |
| Manganese | ppm | ASTM D5185m | | <1 | <1 | 1 |
| Magnesium | ppm | ASTM D5185m | 12 | 12 | 16 | 17 |
| Calcium | ppm | ASTM D5185m | 3750 | 4166 | 3736 | 4741 |
| Phosphorus | ppm | ASTM D5185m | 1200 | 1666 | 1313 | 1558 |
| Zinc | ppm | ASTM D5185m | 1500 | 1819 | 1620 | 1823 |
| Sulfur | ppm | ASTM D5185m | 6000 | 4985 | 3769 | 5199 |
| Visc @ 40°C | cSt | ASTM D445 | 48 | 42.5 | 43.0 | 43.1 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0010258
Lab Number : 06158117
Unique Number : 10993540
Test Package : CONST

Received : 23 Apr 2024
Tested : 24 Apr 2024
Diagnosed : 24 Apr 2024 - Wes Davis

IAA - INSURANCE AUTO AUCTIONS - OAK BROOK
 701 HARGER RD, SUITE 201
 OAK BROOK, IL
 US 60523
 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)

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