



ASCENDUM

OIL ANALYSIS REPORT



Area

Ascendum Machinery/500 Hour CSA

Machine Id

VOLVO L150H 2328 (S/N L150HV7200)

Component

Front 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 | | ASC0011386 | ASC0008951 | VCP441552 |
| Sample Date | | Client Info | | 17 May 2024 | 31 Jan 2024 | 06 Oct 2023 |
| Machine Age | hrs | Client Info | | 4104 | 3550 | 2070 |
| Oil Age | hrs | Client Info | | 3104 | 2550 | 0 |
| Filter Age | hrs | Client Info | | 2104 | 2550 | 0 |
| Oil Changed | | Client Info | | Changed | Not Changd | Not Changd |
| Filter Changed | | Client Info | | Changed | Not Changd | Not Changd |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|------|
| Iron | ppm | ASTM D5185m | >500 | 157 | 4 | 35 |
| Chromium | ppm | ASTM D5185m | >20 | 3 | <1 | <1 |
| Nickel | ppm | ASTM D5185m | >10 | 0 | 0 | 0 |
| Titanium | ppm | ASTM D5185m | | 0 | 0 | <1 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >30 | <1 | 2 | 2 |
| Lead | ppm | ASTM D5185m | >50 | 0 | 0 | <1 |
| Copper | ppm | ASTM D5185m | >120 | <1 | 0 | <1 |
| Tin | ppm | ASTM D5185m | >20 | 0 | 0 | 0 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | <1 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

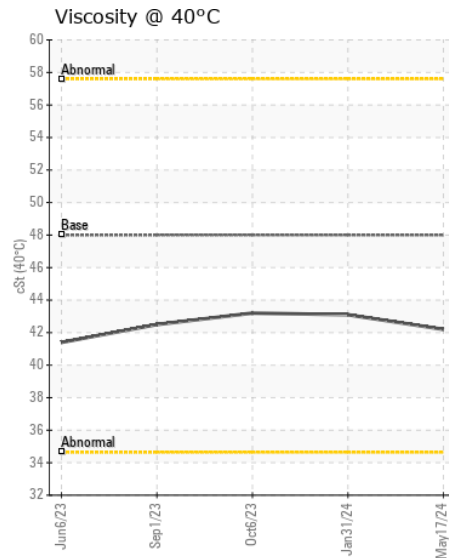
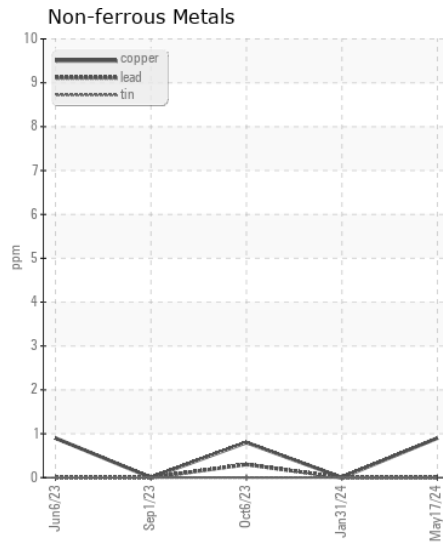
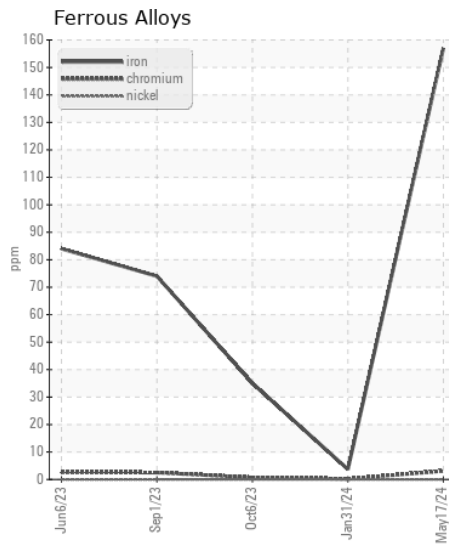
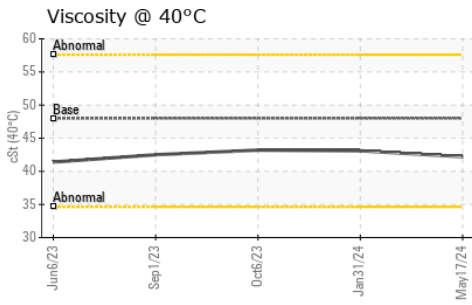
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >50 | 13 | 12 | 11 |
| Potassium | ppm | ASTM D5185m | >20 | 0 | 2 | 0 |
| Water | | WC Method | >0.2 | NEG | NEG | NEG |
| Silt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Debris | scalar | *Visual | NONE | NONE | NONE | LIGHT |
| 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 | | 2 | 0 | 3 |
| Boron | ppm | ASTM D5185m | 160 | 125 | 137 | 148 |
| Barium | ppm | ASTM D5185m | 10 | 0 | 5 | 0 |
| Molybdenum | ppm | ASTM D5185m | 25 | 4 | 0 | 2 |
| Manganese | ppm | ASTM D5185m | | 5 | 0 | 2 |
| Magnesium | ppm | ASTM D5185m | 12 | 22 | 18 | 26 |
| Calcium | ppm | ASTM D5185m | 3750 | 3797 | 3937 | 3916 |
| Phosphorus | ppm | ASTM D5185m | 1200 | 1274 | 1103 | 1331 |
| Zinc | ppm | ASTM D5185m | 1500 | 1466 | 1639 | 1675 |
| Sulfur | ppm | ASTM D5185m | 6000 | 4158 | 4730 | 4629 |
| Visc @ 40°C | cSt | ASTM D445 | 48 | 42.2 | 43.1 | 43.2 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : ASC0011386
Lab Number : 06186567
Unique Number : 11043319
Test Package : CONST

Received : 21 May 2024
Tested : 22 May 2024
Diagnosed : 22 May 2024 - Wes Davis

G S MATERIALS INC
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 US 27216

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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)